



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER19960009

Agency Interest No. 1250

Mr. Karl Schmidt
General Manager, CLAW Plant
CITGO Petroleum Corporation
P.O. Box 1562
Lake Charles, LA 70602-1562

RE: Part 70 Operating Permit, Citgo Lubricants and Wax (CLAW) Area, Citgo Petroleum Corp -
Lake Charles Manufacturing Complex, Sulphur, Calcasieu Parish, Louisiana

Dear Mr. Schmidt:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 3009-V0

public notice

Chuck Carr Brown P.H.D.

Assistant Secretary

CCB:ACE

c: EPA Region VI

ENVIRONMENTAL SERVICES

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AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Citgo Lubricants and Wax (CLAW) Plant
Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

I. Background

Citgo Petroleum Corporation (CITGO) owns and operates a lube oil plant in Lake Charles, Louisiana designed to produce high quality lubrication oils and waxes for the transportation, manufacturing, and packaging industries. CITGO Lubes and Wax (CLAW) Area is classified under SIC Code 2911 for petroleum refineries. CLAW Area can produce lubricating oil base stocks and fully refined waxes. CLAW's feedstock comes from the refinery portion of the Lake Charles Manufacturing Complex (LCMC) which processes both domestic and foreign crude oils. An Initial Part 70 Consolidated Refinery Operating Permit was submitted by CITGO for the LCMC as well as the lube oil plant in October, 1996. To facilitate the permitting approval process, CITGO is submitting multiple operational area permits for the LCMC. There will be seven (7) operational area permits in total for the LCMC. This submittal is for the proposed CLAW Area. The following State approved permits will be completely superseded by this CLAW Area Title V permit and will no longer be applicable once the new operating permit is issued:

- Permit No. 0520-00016, dated November 10, 1988. ENCON I Project
- Permit No. 2173, dated January 4, 1993. Inert Gas Handling
- Permit No. 2215, dated September 14, 1993. Sour Water Surge Tank (CIT-CON)
- Permit No. 2403, dated August 10, 1996. MEK Solvent Dehydration

This is the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by CITGO on October 1, 1996. A revised application was submitted on December 16, 2005 requesting a Part 70 operating permit. Additional information dated March 6, 2006 was also received.

III. Description

The primary objectives of this permit are to:

- Consolidate and replace existing air emission permits
- Identify and reconcile all existing air emission sources
- Incorporate Consent Decree requirements into permit
- Obtain an air emission cap for process furnaces and boilers

The basic steps in the production of lube oils and waxes begin with the separation of the reduced crude oil into several fractions using vacuum distillation methods. The fractions are processed

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by solvent extraction to separate a waxy oil product called raffinate. The raffinate undergoes a solvent dewaxing process to separate the lube oil and wax portions. After this stage, the lube oils are ready for shipment. The wax portion is filtered to remove impurities before shipment. The wax produced is FDA food grade material.

The CLAW Area includes the following process units:

Vacuum Distillation Unit I, Vacuum Distillation Unit II, Furfural Extraction Unit, Duo-Sol Extraction Unit, Methyl Ethyl Ketone (MEK) Dewaxing Unit I, Methyl Ethyl Ketone (MEK) Dewaxing Unit II, Wax Finishing Unit, Wax Slabbing Unit, Transfer and Product Movement Unit (Tank Farm), Steam Plant, and Waste Water Treatment Unit. Emission sources are combustion sources, storage tanks, flares, process vents, cooling tower, equipment fugitive emissions (includes equipment leaks, waste water collection drains, junction boxes, wax additive losses, MEK losses, and propane losses), transfer operations (included marine terminal and tank car losses), waste water treatment, insignificant activities, and controlled losses (General Condition XVII).

Vacuum Distillation Units

The reduced crude oil supplied by CITGO flows through a furnace and into CLAW's two vacuum distillation towers BA-1 and BA-101, where it is fractionated into six base cuts. These are vacuum gas oil, four lube distillates and vacuum residuum or Bright Stock. The separation into cuts in the vacuum tower operation occurs without cracking. Each of the four distillates are sent to steam strippers where the light ends are removed as vapor and returned to the vacuum distillation tower. The liquid distillates are withdrawn and sent to the Furfural or Duo Sol Unit for processing. The vacuum resid is sent to the Duo-Sol Unit for further processing or returned to the refinery as a by-product. The vacuum gas oil is also returned to the refinery. All subsequent operations are arranged in "blocked flow" so that there is no mixing of the different grades of oil after initial separation. Following separation, the cuts are sent to the extraction units where their non-lube oil and non-wax components are removed.

The Vacuum unit has two emission sources, furnaces BA-1 and BA-101. Under normal operating conditions these furnaces fire refinery fuel gas or natural gas. However, during a natural gas curtailment these furnaces can fire fuel oil.

Furfural Extraction Unit

The lube distillates are solvent treated by the Furfural extraction process. Furfuraldehyde, or furfural, is a napthenic based solvent distillate. This selective extraction process produces a high quality waxy oil product which is referred to as raffinate. The lube distillates are sent to

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the furfural extractor tower DA-1. The raffinate mix removed from the extractor tower is heated in furnace BA-1 and sent to a flash tower where the furfural solvent is removed. The raffinate mix is stripped and sent to storage prior to further processing in the MEK Dewaxing unit. The furfural extract is sent to a furfural tower where the solvent is removed and recycled back to the extractor tower. The furfural extract passes through a series of furnaces (BA-1 and BA-3) and flash towers which remove the remaining furfural solvent before being sent to storage.

The Furfural unit has five emission sources: furnaces BA-1 and BA-3; FA-8 drum, heavy oil tank FA-33, and a POD oil tank. Furnaces BA-1 and BA-3 are process heaters and under normal operating conditions, fire refinery fuel gas or natural gas. However, during a natural gas curtailment these furnaces can fire fuel oil. Tanks F-33 and the POD oil storage tank qualify as insignificant activities under LAC 33:III.501 List A, Item 2.

Duo-Sol Extraction Unit

The heavy oils (650°F distillate and short residuum or Bright Stock) are solvent treated by the Duo-Sol extraction process. As indicated by the name, the Duo-Sol extraction process used two solvents. Propane is used to dissolve and carry out the raffinate, or desirable portion of the oil, and also to precipitate the asphaltic (non-lube) materials. The second solvent, Selecto, dissolves and removes the extract or napthenic constituents from the oil. This selective extraction produces a high quality waxy oil product called a "raffinate."

The heavy oils go through a series of seven extractors where the propane and Selecto solvents separate the raffinate from the extract. The raffinate is sent to an evaporator tower to remove the propane solvent, which is recycled to the extractors, and the Selecto solvent, which is sent to a dehydrator before being recycled. The raffinate passes through furnace P-2 followed by stripping in a vacuum stripper tower and a pressure stripper tower before being sent to storage before further processing in the MEK 2 unit. The extract mix is sent through high and low pressure evaporator towers to remove the propane solvent, which is recycled, and the Selecto solvent, which is sent to a dehydrator before being recycled. The extract then passes through furnaces N-2A, N-2B, and N-2C followed by stripping in a vacuum stripper tower and a pressure stripper tower before being sent to storage. Steam supplied for the raffinate and extract stripper towers is super heated in boilers S-1 and S-2.

The Duo-Sol unit has 15 emission sources. Furnaces N-2A, N-2B, N-2C, and P-2 are process heaters. Boilers S-1 and S-2 are used for superheating steam. Under normal operating conditions these furnaces and boilers fire refinery gas or natural gas. However, during a natural gas curtailment these furnaces can fire fuel oil. The Duo-Sol unit has several tanks which store Selecto solvent (F-8, F-16, F-22, F-25, and W-3), heavy oils (F-9, F-11A, and F-11), and light oils (F-24). Tanks F-11A and F-11 qualify as insignificant activities under LAC 33:III.501 List

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Item 3.

Methyl Ethyl Ketone (MEK) Dewaxing Unit

Separating the waxes from the oils of all lube stocks (waxy oil raffinates) is done using the methyl ethyl ketone (MEK) dewaxing process. CLAW has two dewaxing units that process light and heavy raffinates separately. In the solvent dewaxing process, the raffinate is mixed with the MEK solvent and chilled to a temperature that will yield a filtered (dewaxed) oil having a desired 10°F pour point. The wax stream from this process is mixed with additional solvent and refiltered at a higher temperature to remove soft (by-product) wax components and remaining trace oils. This recrystallization step yields a low oil content wax of high tensile strength.

The oils from the MEK process are finished base stocks ready for shipment to packaging plants in bulk quantities, by way of railroad tank cars, trucks, and barges. The waxes from the MEK process are called crude waxes because they still contain traces of water and odor that are removed in the wax finishing unit.

MEK 1 Unit

The MEK 1 dewaxing unit processes the three light oil raffinates. The raffinates are mixed with MEK and toluene solvents and pass through chillers and filters to lower the temperature before filtering. The filter separates the raffinate into two streams: oil/solvent and wax/solvent. The oil stream passes through a series of flash towers, heater BA-1, a stripper tower, and a dehydrator to recover the solvent mix. The product oil is then ready for shipment.

The wax and solvent stream is mixed with more solvent and sent through another set of chillers and a filter to separate the product wax from the soft wax. The product wax passes through two flash towers and a stripper tower to remove the solvent mix before the product wax is sent to the wax finishing unit. The soft wax is sent to recovery within the MEK 1 unit where it passes through furnace BA-2 and the solvent is recovered from the soft wax. The solvent free soft wax is piped to the cracking feedstock tanks at the refinery where it is converted to gasoline in the catalytic cracking units or sold as a product.

The MEK 1 unit has three normal emission sources: furnaces BA-1 and BA-2 and wax antioxidant injection tank FA-37. Furnaces BA-1 and BA-2 are process heaters and exhaust through a common stack. Under normal operating conditions these furnaces fire refinery fuel gas or natural gas. However, during a natural gas curtailment these furnaces can fire fuel oil. The inert gas from the absorber tower normally vents to the flare. However, if the flare is not operational, the inert gas vent is routed directly to the atmosphere on an emergency basis for a

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short period of time.

MEK 2 Unit

The MEK 2 dewaxing unit processes the heavy oil. The MEK 2 process is the same as the MEK 1 process described above except that it uses the heavier feedstocks, the product oil passes through two furnaces (BA-1 and BA-2) instead of one, and the soft wax passes through furnace BA-3. The MEK 2 unit has eight emission sources: furnaces BA-1, BA-2, and BA-3, hotwell FA-57, and heavy oil tanks FA-77, FA-78, FB-2, and FB-3. All the furnaces operate as process heaters. Furnaces BA-1 and BA-2 exhaust through a common stack. Under normal operating conditions these furnaces fire refinery gas or natural gas. However, during a natural gas curtailment these furnaces can fire fuel oil. Tanks F-77, F-78, FB-2, and hotwell FA-57 qualify as insignificant activities under LAC 33:III.501 List A.

Wax Finishing Unit

Fully refined wax is produced at the wax finishing unit by passing the product wax through a dehydrator tower followed by percolating the hot crude wax from the five base streams through four static bed bauxite clay filters. Fully refined crystalline wax from the raffinates (i.e. 120 wax, 130 wax, and 140 wax) is colorless, odorless, tasteless, and ranges from 123°F to 150°F degrees in melting point. The waxes from the 650°F and Bright stock fractions (i.e., H.1. Wax and Micro Wax) are darker in color and melt at 165°F and 180°F respectively. The bauxite clay from the clay filters is regenerated in the clay kiln BH-1.

The Wax Finishing unit has 23 emission sources: clay kiln BH-1; the clay bulk handling system (Dust Cyclone Separator FC-1, Vertical Spent Clay Bin FE-1, and the Bauxite Storage Bin FE-34); wax tanks FA-1A, FA-1B, FA-2A, FA-2B, FB-1, FB-4A, FB-4B, FB 9, FB-20, FB-21, FB-22, FB-23, FB-24, FB-25, FB-27, and FB-28; polyethylene melt tank FA-29; and naphtha tank FB-32. Clay kiln BH-1 is used to regenerate the clay used in the filters. The clay kiln operates only when needed. The bulk handling system is used to transport the spent and regenerated (burnt) clay between the filters, kiln, and storage.

Wax Slabbing Unit

The Wax Slabbing unit is responsible for the blending, packaging, and storage of the finished waxes. The CLAW plant produces pure wax blends and hot melt wax blends. These blends produced at CLAW are molded into 11-pound slabs on a continuous wax molding machine and packaged for shipment and are also shipped as a liquid in tank trucks or rail cars. Copolymer pellets containing ethylene vinyl acetate (EVA) and hydrocarbon resins are used in the hot melt wax blending process to produce a wax blend with high flexibility characteristics. The EVA

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pellets are received by rail car and distributed to the wax blending reactors by a vacuum bulk handling and storage system. The hydrocarbon resins are added directly to the hot wax melt blends.

The Wax Slabbing Unit has 12 emission sources: two vents from the EVA copolymer pellet vacuum bulk handling system, caustic tanks FB-2 and FB-3, heavy oil tank FA-2, and wax tanks FA-31, FA-102, FA-103, FA-104, FA-105, FA-106, and FA-108A. The EVA copolymer pellet vacuum delivery system Bulk Handling Vent No. 1 is from the GB-10 blower and Bulk Handling Vent No. 2 is from the GB-11 blower. Tanks FB-2, FB-3, FA-2, FA-31, FA-102, FA-103, FA-104, FA-105, FA-106, and FA-108A qualify as insignificant activities under LAC 33:III.501 List A.

Transfer Unit

The CLAW Transfer unit handles all of the internal and external product movements. The CLAW tank farm has 167 storage tanks with a total capacity greater than 2.5 million barrels. The finished lubricating oil pipelines extend 2 miles to dock facilities on the Calcasieu River, 28 miles upstream of the Gulf of Mexico. The products are loaded onto barges for shipment to customers at CITGO's D dock. Physically, D dock is located adjacent to the refinery. Pure waxes and wax blends and intermediate feedstocks are also shipped in bulk by tank trucks and railroad cars.

Emissions from the CLAW Transfer unit include emissions from the 167 storage tanks and emissions from marine loading and rail car and tanker truck loading operations. The storage tanks were allocated to two groups based on capacity: less than one million gallons and greater than one million gallons.

Steam Plant

The CLAW plant has its own steam generation plant for operating steam driven equipment. There are seven emission sources in the steam plant: boilers BF-1, BF-2, BF-3, and BF-4, sodium hypochlorite tote UN-1791, sulfuric acid tank FB-21, and fuel oil storage tank FB-411. Under normal operating conditions the steam plant boilers fire refinery fuel gas or natural gas. However, during a natural gas curtailment these boilers can fire fuel oil. Tanks LJN-1791 and FB-21 qualify as insignificant activities under Lac 33:III.501 List A Item 5.

Waste Water Treatment

The lube plant has a waste water collection and treating facility. The waste water collection system is designed to collect waste water from the various units and convey this waste water

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through closed sewers to the treating system. The collection system includes process drains, junction boxes, sumps, process sewers, and storm water ditches. The CLAW waste water treating facility includes equipment to treat process waste water, sanitary waste water, and storm water.

The process, or oily water sewers, cooling tower blowdown, and other waste water sources are sent to the treating plant where they are first processed in the API oil separator. The skimmed oil is sent to slop oil tanks and the waste water is sent to the flocculation tank. From the flocculation tank, the waste water is sent to two dissolved air flotation (DAF) units. The sludge from the DAF tanks is sent to sludge storage and the waste water is sent to the stabilization basin. Following the stabilization basin, the waste water flows into the aeration basin and then a clarifier. After exiting the clarifier, the treated waste water flows through the 001 outfall before release to ensure compliance with all existing water quality regulations. Activated biosludge from the effluent clarifier is collected and sent to the clay pit where it is recycled back to the aeration basin.

The waste water collected in the plants sanitary sewers flows into the sanitary oxidation pond. From the sanitary oxidation pond, the waste water flows into the stabilization basin where it mixes with waste water from the DAF units and is sent to the aeration basin and effluent clarifier.

Storm water runoff is collected in ditches throughout the plant. The storm water is then pumped from sumps in the various units to the storm water surge tank FB-55. Storm water from tank FB-55 is combined with waste water from the oily water sewers and sent to the API oil separator.

Emissions from the waste water treating facility are grouped under a single source. The source includes emissions from the stabilization basin, the aeration basin, two dissolved air flotation (DAF) units, and the storm water tank FB-55. The waste water treating facility also includes sulfuric acid tank FA-105 which qualifies as an insignificant activity under LAC 33:III.501 List A Item 5. Emissions from the drains and junction boxes associated with the collection system are included in the fugitive emission calculations.

Facility Wide Activities

Several activities that occur at CLAW and result in air emissions are not assigned to a specific or single process unit. These emissions include laboratory emissions, fugitives, flare emissions, emissions from General Permit Condition XVII activities, emissions from chemical manufacturer vendor totes, emissions from fire protection (tanks FB-293A and FB-293B), and emissions from garage tanks (tanks FB-2, FB-3, and FB-4). Emissions from the CLAW

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laboratory and fire protection tanks FB-293A and FB-293B qualify as insignificant activities under LAC 33:III.501 List A.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Proposed</u> ¹
PM ₁₀	554.75
SO ₂	6526.90
NO _x	2288.20
CO	484.55
VOC *	1161.98

*** VOC LAC 33:III Chapter 51 Toxic Air**
Pollutants (TAPs):

<u>Pollutant</u>	<u>Proposed</u> ¹
Benzene	0.082
Chloride Compounds	0.008
Cresol	14.356
Ethylbenzene	0.010
MEK	328.283
MTBE	0.028
n-Hexane	0.141
Naphthalene	3.659
Phenol	27.075
Toluene	76.701
Vinyl Acetate	3.982
Xylenes	0.040
Total	454.365

¹ Includes emissions from 4 existing state permits and Grandfathered sources.

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Non - VOC LAC 33:III Chapter 51 Toxic
Air Pollutants (TAPs):

Pollutant	Proposed ¹
Ammonia	2.26
Total	2.26

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, and New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

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VII. Effects on Ambient Air

Dispersion Model(s) Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration ($\mu\text{g}/\text{m}^3$)	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard (NAAQS))
NO _x	Annual	84.22	(100)
SO ₂	3-hour	920.04	(1300)
	24-hour	258.31	(365)
	Annual	47.21	(80)

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VIII. General Condition XVII Activities

Work Activity	Emission Rates – tons per year				
	PM ₁₀	SO ₂	NO _x	CO	VOC
No. 1 Carbon Replacement or Charging	-	-	-	-	-
No. 2 Changing Filters	-	-	-	-	<0.01
No. 3 Cleaning Equipment	-	-	-	-	0.65
No. 4 Clearing of Pipelines	-	-	-	-	0.01
No. 5 Compressor Maintenance	-	-	-	-	-
No. 6 Control Device Releases	-	-	-	-	0.03
No. 7 Draining Compressor Bottles	-	-	-	-	-
No. 8 Instrument Maintenance	-	-	-	-	0.03
No. 9 Liquid de-inventory to Sewer	-	-	-	-	4.72
No. 10 Miscellaneous Equipment Preparation	-	-	-	-	0.65
No. 11 Nitrogen Blowing of Pipelines	-	-	-	-	<0.01
No. 12 Opening Off-line Equipment	-	-	-	-	0.04
No. 13 Pump Maintenance	-	-	-	-	0.16
No. 14 Sampling	-	-	-	-	0.96
No. 15 Sludge Removal	-	-	-	-	2.50
No. 16 Solids loading and unloading	-	-	-	-	-
No. 17 Solids removal from Sumps	-	-	-	-	0.71
No. 18 Tank Gauging	-	-	-	-	-
No. 19 Transportation vessels or tanks	-	-	-	-	0.02
No. 20 Valve Maintenance	-	-	-	-	0.18
No. 21 Vessel Preparation	-	-	-	-	4.8
No. 22 Draining Liquid from Bleeders	-	-	-	-	-
No. 23 Decoking Heaters	0.23	0.47	0.12	0.32	0.02

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General Condition XVII Activities continued

Work Activity	Emission Rates – tons per year				
	PM ₁₀	SO ₂	NO _X	CO	VOC
No. 1 Carbon Replacement or Charging	-	-	-	-	-
No. 2 Changing Filters	-	-	-	-	<0.01
No. 3 Cleaning Equipment	-	-	-	-	0.65
No. 4 Clearing of Pipelines	-	-	-	-	0.01
No. 5 Compressor Maintenance	-	-	-	-	-
No. 6 Control Device Releases	-	-	-	-	0.03
No. 7 Draining Compressor Bottles	-	-	-	-	-
No. 8 Instrument Maintenance	-	-	-	-	0.03
No. 9 Liquid de-inventory to Sewer	-	-	-	-	4.72
No. 10 Miscellaneous Equipment Preparation	-	-	-	-	0.65
No. 11 Nitrogen Blowing of Pipelines	-	-	-	-	<0.01
No. 12 Opening Off-line Equipment	-	-	-	-	0.04
No. 13 Pump Maintenance	-	-	-	-	0.16
No. 14 Sampling	-	-	-	-	0.96
No. 15 Sludge Removal	-	-	-	-	2.50
No. 16 Solids loading and unloading	-	-	-	-	-
No. 17 Solids removal from Sumps	-	-	-	-	0.71
No. 18 Tank Gauging	-	-	-	-	-
No. 19 Transportation vessels or tanks	-	-	-	-	0.02
No. 20 Valve Maintenance	-	-	-	-	0.18
No. 21 Vessel Preparation	-	-	-	-	4.80
No. 22 Draining Liquid from Bleeders	-	-	-	-	-
No. 23 Decoking Heaters	0.23	0.47	0.12	0.32	0.02

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General Condition XVII Activities continued

Work Activity	Unit: Furfural	Emission Rates – tons per year				
		PM ₁₀	SO ₂	NO _x	CO	VOC
No. 1	Carbon Replacement or Charging	-	-	-	-	-
No. 2	Changing Filters	-	-	-	-	<0.01
No. 3	Cleaning Equipment	-	-	-	-	0.65
No. 4	Clearing of Pipelines	-	-	-	-	0.01
No. 5	Compressor Maintenance	-	-	-	-	-
No. 6	Control Device Releases	-	-	-	-	-
No. 7	Draining Compressor Bottles	-	-	-	-	0.06
No. 8	Instrument Maintenance	-	-	-	-	0.03
No. 9	Liquid de-inventory to Sewer	-	-	-	-	4.72
No. 10	Miscellaneous Equipment Preparation	-	-	-	-	0.65
No. 11	Nitrogen Blowing of Pipelines	-	-	-	-	-
No. 12	Opening Off-line Equipment	-	-	-	-	0.04
No. 13	Pump Maintenance	-	-	-	-	0.16
No. 14	Sampling	-	-	-	-	0.96
No. 15	Sludge Removal	-	-	-	-	2.50
No. 16	Solids loading and unloading	-	-	-	-	-
No. 17	Solids removal from Sumps	-	-	-	-	0.71
No. 18	Tank Gauging	-	-	-	-	-
No. 19	Transportation vessels or tanks	-	-	-	-	0.45
No. 20	Valve Maintenance	-	-	-	-	0.18
No. 21	Vessel Preparation	-	-	-	-	4.80
No. 22	Draining Liquid from Bleeders	-	-	-	-	-
No. 23	Decoking Heaters	0.23	0.47	0.12	0.32	0.02

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Citgo Lubricants and Wax (CLAW) Plant
Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

General Condition XVII Activities continued

Work Activity	Emission Rates – tons per year				
	PM ₁₀	SO ₂	NO _X	CO	VOC
No. 1 Carbon Replacement or Charging	-	-	-	-	-
No. 2 Changing Filters	-	-	-	-	<0.01
No. 3 Cleaning Equipment	-	-	-	-	0.62
No. 4 Clearing of Pipelines	-	-	-	-	-
No. 5 Compressor Maintenance	-	-	-	-	<0.01
No. 6 Control Device Releases	-	-	-	-	-
No. 7 Draining Compressor Bottles	-	-	-	-	0.04
No. 8 Instrument Maintenance	-	-	-	-	0.18
No. 9 Liquid de-inventory to Sewer	-	-	-	-	3.78
No. 10 Miscellaneous Equipment Preparation	-	-	-	-	0.62
No. 11 Nitrogen Blowing of Pipelines	-	-	-	-	-
No. 12 Opening Off-line Equipment	-	-	-	-	-
No. 13 Pump Maintenance	-	-	-	-	0.11
No. 14 Sampling	-	-	-	-	0.28
No. 15 Sludge Removal	-	-	-	-	-
No. 16 Solids loading and unloading	-	-	-	-	-
No. 17 Solids removal from Sumps	-	-	-	-	-
No. 18 Tank Gauging	-	-	-	-	-
No. 19 Transportation vessels or tanks	-	-	-	-	-
No. 20 Valve Maintenance	-	-	-	-	0.02
No. 21 Vessel Preparation	-	-	-	-	0.64
No. 22 Draining Liquid from Bleeders	-	-	-	-	-
No. 23 Decoking Heaters	0.34	0.70	0.18	0.47	0.02

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Citgo Lubricants and Wax (CLAW) Plant
Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

General Condition XVII Activities continued

Work Activity	Emission Rates – tons per year				
	PM ₁₀	SO ₂	NO _X	CO	VOC
No. 1 Carbon Replacement or Charging	-	-	-	-	-
No. 2 Changing Filters	-	-	-	-	-
No. 3 Cleaning Equipment	-	-	-	-	0.01
No. 4 Clearing of Pipelines	-	-	-	-	0.08
No. 5 Compressor Maintenance	-	-	-	-	-
No. 6 Control Device Releases	-	-	-	-	<0.01
No. 7 Draining Compressor Bottles	-	-	-	-	-
No. 8 Instrument Maintenance	-	-	-	-	0.03
No. 9 Liquid de-inventory to Sewer	-	-	-	-	2.83
No. 10 Miscellaneous Equipment Preparation	-	-	-	-	0.04
No. 11 Nitrogen Blowing of Pipelines	-	-	-	-	<0.01
No. 12 Opening Off-line Equipment	-	-	-	-	0.05
No. 13 Pump Maintenance	-	-	-	-	0.16
No. 14 Sampling	-	-	-	-	0.29
No. 15 Sludge Removal	-	-	-	-	-
No. 16 Solids loading and unloading	-	-	-	-	-
No. 17 Solids removal from Sumps	-	-	-	-	0.03
No. 18 Tank Gauging	-	-	-	-	<0.01
No. 19 Transportation vessels or tanks	-	-	-	-	0.15
No. 20 Valve Maintenance	-	-	-	-	0.01
No. 21 Vessel Preparation	-	-	-	-	0.48
No. 22 Draining Liquid from Bleeders	-	-	-	-	-
No. 23 Decoking Heaters	0.11	0.23	0.06	0.16	0.01

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Citgo Lubricants and Wax (CLAW) Plant
Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

General Condition XVII Activities continued

Work Activity	Unit: MEK II	Emission Rates – tons per year				
		PM ₁₀	SO ₂	NO _X	CO	VOC
No. 1	Carbon Replacement or Charging	-	-	-	-	-
No. 2	Changing Filters	-	-	-	-	-
No. 3	Cleaning Equipment	-	-	-	-	0.45
No. 4	Clearing of Pipelines	-	-	-	-	0.08
No. 5	Compressor Maintenance	-	-	-	-	0.01
No. 6	Control Device Releases	-	-	-	-	0.01
No. 7	Draining Compressor Bottles	-	-	-	-	<0.01
No. 8	Instrument Maintenance	-	-	-	-	0.03
No. 9	Liquid de-inventory to Sewer	-	-	-	-	0.94
No. 10	Miscellaneous Equipment Preparation	-	-	-	-	0.45
No. 11	Nitrogen Blowing of Pipelines	-	-	-	-	<0.01
No. 12	Opening Off-line Equipment	-	-	-	-	0.05
No. 13	Pump Maintenance	-	-	-	-	0.16
No. 14	Sampling	-	-	-	-	0.96
No. 15	Sludge Removal	-	-	-	-	0.38
No. 16	Solids loading and unloading	-	-	-	-	0.02
No. 17	Solids removal from Sumps	-	-	-	-	0.05
No. 18	Tank Gauging	-	-	-	-	<0.01
No. 19	Transportation vessels or tanks	-	-	-	-	-
No. 20	Valve Maintenance	-	-	-	-	0.05
No. 21	Vessel Preparation	-	-	-	-	0.19
No. 22	Draining Liquid from Bleeders	-	-	-	-	-
No. 23	Decoking Heaters	0.11	0.23	0.06	0.16	0.01

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Citgo Lubricants and Wax (CLAW) Plant
Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

General Condition XVII Activities continued

Work Activity	Emission Rates – tons per year				
	PM ₁₀	SO ₂	NO _X	CO	VOC
No. 1 Carbon Replacement or Charging	-	-	-	-	-
No. 2 Changing Filters	-	-	-	-	0.01
No. 3 Cleaning Equipment	-	-	-	-	0.65
No. 4 Clearing of Pipelines	-	-	-	-	0.03
No. 5 Compressor Maintenance	-	-	-	-	-
No. 6 Control Device Releases	-	-	-	-	-
No. 7 Draining Compressor Bottles	-	-	-	-	-
No. 8 Instrument Maintenance	-	-	-	-	0.01
No. 9 Liquid de-inventory to Sewer	-	-	-	-	1.89
No. 10 Miscellaneous Equipment Preparation	-	-	-	-	0.05
No. 11 Nitrogen Blowing of Pipelines	-	-	-	-	<0.01
No. 12 Opening Off-line Equipment	-	-	-	-	0.02
No. 13 Pump Maintenance	-	-	-	-	0.16
No. 14 Sampling	-	-	-	-	0.80
No. 15 Sludge Removal	-	-	-	-	0.50
No. 16 Solids loading and unloading	-	-	-	-	0.02
No. 17 Solids removal from Sumps	-	-	-	-	0.05
No. 18 Tank Gauging	-	-	-	-	0.08
No. 19 Transportation vessels or tanks	-	-	-	-	1.00
No. 20 Valve Maintenance	-	-	-	-	0.10
No. 21 Vessel Preparation	-	-	-	-	0.83
No. 22 Draining Liquid from Bleeders	-	-	-	-	-
No. 23 Decoking Heaters	-	-	-	-	-

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Citgo Lubricants and Wax (CLAW) Plant
Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

General Condition XVII Activities continued

Work Activity	Unit: Wax Slabbing	Emission Rates – tons per year				
		PM ₁₀	SO ₂	NO _X	CO	VOC
No. 1	Carbon Replacement or Charging	-	-	-	-	-
No. 2	Changing Filters	-	-	-	-	0.01
No. 3	Cleaning Equipment	-	-	-	-	0.36
No. 4	Clearing of Pipelines	-	-	-	-	<0.01
No. 5	Compressor Maintenance	-	-	-	-	<0.01
No. 6	Control Device Releases	-	-	-	-	-
No. 7	Draining Compressor Bottles	-	-	-	-	<0.01
No. 8	Instrument Maintenance	-	-	-	-	0.03
No. 9	Liquid de-inventory to Sewer	-	-	-	-	0.94
No. 10	Miscellaneous Equipment Preparation	-	-	-	-	0.02
No. 11	Nitrogen Blowing of Pipelines	-	-	-	-	-
No. 12	Opening Off-line Equipment	-	-	-	-	0.04
No. 13	Pump Maintenance	-	-	-	-	0.02
No. 14	Sampling	-	-	-	-	-
No. 15	Sludge Removal	-	-	-	-	1.33
No. 16	Solids loading and unloading	-	-	-	-	4.50
No. 17	Solids removal from Sumps	-	-	-	-	-
No. 18	Tank Gauging	-	-	-	-	0.18
No. 19	Transportation vessels or tanks	-	-	-	-	3.75
No. 20	Valve Maintenance	-	-	-	-	-
No. 21	Vessel Preparation	-	-	-	-	-
No. 22	Draining Liquid from Bleeders	-	-	-	-	-
No. 23	Decoking Heaters	-	-	-	-	-

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Citgo Lubricants and Wax (CLAW) Plant
Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

General Condition XVII Activities continued

Work Activity	Unit: Transfer	Emission Rates – tons per year				
		PM ₁₀	SO ₂	NO _x	CO	VOC
No. 1	Carbon Replacement or Charging	-	-	-	-	-
No. 2	Changing Filters	-	-	-	-	0.02
No. 3	Cleaning Equipment	-	-	-	-	1.25
No. 4	Clearing of Pipelines	-	-	-	-	0.02
No. 5	Compressor Maintenance	-	-	-	-	-
No. 6	Control Device Releases	-	-	-	-	<0.01
No. 7	Draining Compressor Bottles	-	-	-	-	-
No. 8	Instrument Maintenance	-	-	-	-	0.01
No. 9	Liquid de-inventory to Sewer	-	-	-	-	4.72
No. 10	Miscellaneous Equipment Preparation	-	-	-	-	0.02
No. 11	Nitrogen Blowing of Pipelines	-	-	-	-	<0.01
No. 12	Opening Off-line Equipment	-	-	-	-	0.15
No. 13	Pump Maintenance	-	-	-	-	0.16
No. 14	Sampling	-	-	-	-	1.20
No. 15	Sludge Removal	-	-	-	-	1.25
No. 16	Solids loading and unloading	-	-	-	-	0.04
No. 17	Solids removal from Sumps	-	-	-	-	0.21
No. 18	Tank Gauging	-	-	-	-	1.38
No. 19	Transportation vessels or tanks	-	-	-	-	3.75
No. 20	Valve Maintenance	-	-	-	-	0.08
No. 21	Vessel Preparation	-	-	-	-	0.06
No. 22	Draining Liquid from Bleeders	-	-	-	-	0.12
No. 23	Decoking Heaters	-	-	-	-	-

AIR PERMIT BRIEFING SHEET
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Citgo Lubricants and Wax (CLAW) Plant
Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

General Condition XVII Activities continued

Work Activity	Emission Rates – tons per year				
	PM ₁₀	SO ₂	NO _X	CO	VOC
No. 1 Carbon Replacement or Charging	-	-	-	-	<0.01
No. 2 Changing Filters	-	-	-	-	-
No. 3 Cleaning Equipment	-	-	-	-	0.02
No. 4 Clearing of Pipelines	-	-	-	-	<0.01
No. 5 Compressor Maintenance	-	-	-	-	<0.01
No. 6 Control Device Releases	-	-	-	-	-
No. 7 Draining Compressor Bottles	-	-	-	-	-
No. 8 Instrument Maintenance	-	-	-	-	<0.01
No. 9 Liquid de-inventory to Sewer	-	-	-	-	0.19
No. 10 Miscellaneous Equipment Preparation	-	-	-	-	0.02
No. 11 Nitrogen Blowing of Pipelines	-	-	-	-	<0.01
No. 12 Opening Off-line Equipment	-	-	-	-	0.05
No. 13 Pump Maintenance	-	-	-	-	-
No. 14 Sampling	-	-	-	-	-
No. 15 Sludge Removal	-	-	-	-	-
No. 16 Solids loading and unloading	-	-	-	-	-
No. 17 Solids removal from Sumps	-	-	-	-	0.05
No. 18 Tank Gauging	-	-	-	-	0.01
No. 19 Transportation vessels or tanks	-	-	-	-	-
No. 20 Valve Maintenance	-	-	-	-	0.01
No. 21 Vessel Preparation	-	-	-	-	0.03
No. 22 Draining Liquid from Bleeders	-	-	-	-	-
No. 23 Decoking Heaters	-	-	-	-	-

AIR PERMIT BRIEFING SHEET
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Citgo Lubricants and Wax (CLAW) Plant
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Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

General Condition XVII Activities continued

Unit: Waste Water Treatment	Work Activity	Emission Rates – tons per year				
		PM ₁₀	SO ₂	NO _X	CO	VOC
No. 1	Carbon Replacement or Charging	-	-	-	-	<0.01
No. 2	Changing Filters	-	-	-	-	<0.01
No. 3	Cleaning Equipment	-	-	-	-	0.18
No. 4	Clearing of Pipelines	-	-	-	-	0.01
No. 5	Compressor Maintenance	-	-	-	-	<0.01
No. 6	Control Device Releases	-	-	-	-	-
No. 7	Draining Compressor Bottles	-	-	-	-	-
No. 8	Instrument Maintenance	-	-	-	-	0.03
No. 9	Liquid de-inventory to Sewer	-	-	-	-	2.83
No. 10	Miscellaneous Equipment Preparation	-	-	-	-	0.02
No. 11	Nitrogen Blowing of Pipelines	-	-	-	-	-
No. 12	Opening Off-line Equipment	-	-	-	-	0.12
No. 13	Pump Maintenance	-	-	-	-	0.06
No. 14	Sampling	-	-	-	-	0.80
No. 15	Sludge Removal	-	-	-	-	1.25
No. 16	Solids loading and unloading	-	-	-	-	-
No. 17	Solids removal from Sumps	-	-	-	-	0.79
No. 18	Tank Gauging	-	-	-	-	0.02
No. 19	Transportation vessels or tanks	-	-	-	-	-
No. 20	Valve Maintenance	-	-	-	-	0.01
No. 21	Vessel Preparation	-	-	-	-	0.19
No. 22	Draining Liquid from Bleeders	-	-	-	-	-
No. 23	Decoking Heaters	-	-	-	-	-

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Citgo Lubricants and Wax (CLAW) Plant
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Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

IX. Insignificant Activities

Unit Code	Description	Citation
Duo-Sol	Seal Oil Tank F-11A	LAC 33:III.501.B.5.A.3
Duo-Sol	Seal Oil Tank F-11	LAC 33:III.501.B.5.A.3
Furfural	Pod Oil Storage Tank	LAC 33:III.501.B.5.A.2
Furfural	GB-1S Lube Oil Storage Tank FA-33	LAC 33:III.501.B.5.A.2
MEK I	Tank FA-37 – Antioxidant Injection Tank	LAC 33:III.501.B.5.A.2
MEK I	Hotwell FA-57	LAC 33:III.501.B.5.A.2
MEK II	Rundown Tank FA-77	LAC 33:III.501.B.5.A.2
MEK II	Rundown Tank FA-78	LAC 33:III.501.B.5.A.2
MEK II	Lube Oil Storage Tank FB-2	LAC 33:III.501.B.5.A.3
Wax Slabbing	Lube Oil Reservoir FA-2	LAC 33:III.501.B.5.A.2
Wax Slabbing	White Wax Slop Tank FA-31	LAC 33:III.501.B.5.A.3
Wax Slabbing	Wax Blend Tank FA-102	LAC 33:III.501.B.5.A.3
Wax Slabbing	Wax Blend Tank FA-103	LAC 33:III.501.B.5.A.3
Wax Slabbing	Wax Blend Tank FA-104	LAC 33:III.501.B.5.A.3
Wax Slabbing	Wax Slop Tank FA-105	LAC 33:III.501.B.5.A.3
Wax Slabbing	Wax Blend Tank FA-106	LAC 33:III.501.B.5.A.3
Wax Slabbing	Hot Melt Wax Slop Tank FA-108A	LAC 33:III.501.B.5.A.3
Wax Slabbing	Caustic Tank FB-2	LAC 33:III.501.B.5.A.4
Wax Slabbing	Caustic Tank FB-3	LAC 33:III.501.B.5.A.4
Steam Plant	Sodium Hypochlorite vendor tote UN-1791	LAC 33:III.501.B.5.A.5
Steam Plant	Sulfuric Acid Tank FB-21	LAC 33:III.501.B.5.A.5
WWT	Sulfuric Acid Tank FA-105	LAC 33:III.501.B.5.A.5
Laboratory	CIT-CON Laboratory Emissions	LAC 33:III.501.B.5.A.7
Fire Protection	Diesel Tank FB-293A	LAC 33:III.501.B.5.A.2
Fire Protection	Diesel Tank FB-293 B	LAC 33:III.501.B.5.A.2

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Agency Interest No.: 1250
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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III:Chapter																	
		5▲	9	11	13	15	2103	2107	2109	2111	2113	2115	2122	2131	2141	29*	51*	56	59*
GRP144	Plant Wide (CLAW Area)	1	1	1											1	1	1	1	1
ACT001	1(2547)3 - Truck and Rail Car Loading								2										
EQT358	1(2458)1 - Vacuum Furnace, BA-1	1	1	1											2				2
EQT359	1(2458)2 - Vacuum Furnace, BA-101	1	1	1											2				2
EQT360	1(2459)1 - Steam Plant Boiler, BF-1	1	1	1															1
EQT361	1(2459)2 - Steam Plant Boiler, BF-2	1	1	1														1	
EQT362	1(2459)3 - Steam Plant Boiler, BF-3	1	1	1														1	
EQT363	1(2459)4 - Steam Plant Boiler, BF-4	1	1	1														1	
EQT364	1(2460)1 - Furfural Furnace, BA-1	1	1	1														2	
EQT365	1(2460)3 - Furfural Furnace, BA-3	1	1	1														2	
EQT366	1(2460)5 - Furfural Tanks Grouping																		
EQT367	1(2461-1)1 - MEK-1 Furnaces, BA-1 & BA-2	1	1	1														2	
EQT368	1(2461-2)3 - MEK-2 Furnaces, BA-1 & BA-2	1	1	1														2	
EQT369	1(2461-2)4 - MEK-2 Furnace, BA-3	1	1	1														2	
EQT370	1(2512-1)1 - Wax Finishing Clay Kiln, Stack 1 @ BH-1	1	1	1											2			2	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

X. **Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																
		5▲	9	11	13	15	2103	2107	2109	2111	2113	2115	2122	2131	2141	29*	51*	56
EQT371	1(2512-1)2 – Wax Finishing Clay Kiln, Stack 2 @BH-1																	2
EQT372	1(2512-1)4 – Wax Finishing Clay Handling Equipment																	2
EQT373	1(2512-1)5 – Wax Tanks Grouping																	
EQT374	1(2512-1)7 – Naphtha Tank, FB-32																	
EQT375	1(2547)1 – Transfer Tanks Less Than 1,000,000 Gallons																	
EQT376	1(2547)2 – Transfer Tanks Greater Than 1,000,000 Gallons																	
EQT377	1(2547)4 – Horizontal Fixed Roof Garage Tanks FB-2, FB-3, FB-4															2	1	
EQT378	1(427)1 – Duo-Sol Furnace N-2A																	2
EQT379	1(427)2 – Duo-Sol Furnace N-2B																	2
EQT380	1(427)3 – Duo-Sol Furnace N-2C																	2
EQT381	1(427)4 – Duo-Sol Furnace S-1																	2
EQT382	1(427)5 – Duo-Sol Furnace S-2																	2
EQT383	1(427)6 – Duo-Sol Furnace P-2																	2

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Citgo Lubricants and Wax (CLAW) Plant
 Agency Interest No.: 1250
 Citgo Petroleum Corp
 Sulphur, Calcasieu Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																
		5▲	9	11	13	15	2103	2107	2109	2111	2113	2115	2122	2131	2141	29*	51*	56
EQT384	1(427)9 -- Duo-Sol Selecto Tanks Grouping						2											2
EQT385	1(LUBE)1 - Lube Plant Flare			1	1													
EQT386	1(LUBE)2 - Waste Water Treating									1								
EQT387	UTL-CT1R - Cooling Tower CTIR																	
FUG019	Lube Plant Fugitives										1				3 ^c		1	
RLP020	1(2512-3)4 -- Wax Stabbing Bulk Handling Vent 1(GB-10)							1						2				
RLP021	1(2512-3)5 -- Wax Stabbing Bulk Handling Vent 2(GB-11)								1					2				
RLP022	1(2460) Furfural Drum Vent FA-8												2					

* The regulations indicated above are State Only regulations.

- ▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
Blank – The regulations clearly do not apply to this type of emission source.
3^e – Compliance is achieved by implementing the Consolidated Fugitive Program. Fugitive compliance is achieved through compliance with Louisiana Refinery MACT.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Citgo Lubricants and Wax (CLAW) Plant
 Agency Interest No.: 1250
Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHPAP						40 CFR						
		A	Ka	Kb	Db	Dc	J	G	GG	QQQ	A	M	FF	A	Q	CC	UUU	EEE	DDDDD	64	68	82				
GRP144	Plant Wide (CLAW Area)	1									1	1	1	1						1	1					
ACT001	1(2547)3 – Truck and Rail Car Loading																									
EQT358	1(2458)1 – Vacuum Furnace, BA-1																									
EQT359	1(2458)2 – Vacuum Furnace, BA-101																									
EQT360	1(2459)1 – Steam Plant Boiler, BF-1																									
EQT361	1(2459)2 – Steam Plant Boiler, BF-2																									
EQT362	1(2459)3 – Steam Plant Boiler, BF-3																									
EQT363	1(2459)4 – Steam Plant Boiler, BF-4																									
EQT364	1(2460)1 – Furfural Furnace, BA-1																									
EQT365	1(2460)3 – Furfural Furnace, BA-3																									
EQT366	1(2460)5 – Furfural Tanks Grouping	2	1															1	1							
EQT367	1(2461-1)1 – MEK-1 Furnaces, BA-1 & BA-2																									
EQT368	1(2461-2)3 – MEK-2 Furnaces, BA-1 & BA-2																									
EQT369	1(2461-2)4 – MEK-2 Furnace, BA-3																									
EQT370	1(2512-1)1 – Wax Finishing Clay Kiln, Stack 1 @ BH-1																									

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Citgo Lubricants and Wax (CLAW) Plant
 Agency Interest No.: 1250
 Citgo Petroleum Corp
 Sulphur, Calcasieu Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR											
		A	Ka	Kb	Db	Dc	J	G	GG	QQQ	A	M	FF	A	Q	CC	UUU	EEE	DDDDD	A	Q	CC	UUU	EEE	DDDDD	A	Q	CC	UUU	EEE	DDDDD
EQT371	1(2512-1)2 – Wax Finishing Clay Kiln, Stack 2 @BH-1																														
EQT372	1(2512-1)4 – Wax Finishing Clay Handling Equipment																														
EQT373	1(2512-1)5 – Wax Tanks Grouping																														
EQT374	1(2512-1)7 – Naphtha Tank, FB-32																														
EQT375	1(2547)1 – Transfer Tanks Less Than 1,000,000 Gallons																														
EQT376	1(2547)2 – Transfer Tanks Greater Than 1,000,000 Gallons																														
EQT377	1(2547)4 – Horizontal Fixed Roof Garage Tanks, FB-2, FB-3, FB-4																														
EQT378	1(427)1 – Duo-Sol Furnace N-2A																														
EQT379	1(427)2 – Duo-Sol Furnace N-2B																														
EQT380	1(427)3 – Duo-Sol Furnace N-2C																														
EQT381	1(427)4 – Duo-Sol Furnace S-1																														
EQT382	1(427)5 – Duo-Sol Furnace S-2																														
EQT383	1(427)6 – Duo-Sol Furnace P-2																														
EQT384	1(427)9 – Duo-Sol Selecto Tanks Grouping																														
EQT385	1(LUBE)1 – Lube Plant Flare																														

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Citgo Lubricants and Wax (CLAW) Plant
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Citgo Petroleum Corp
Sulphur, Calcasieu Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS								40 CFR 61								40 CFR 63 NESHAP								40 CFR							
		A	Ka	Kb	Db	Dc	J	G	GG	QQQ	A	M	FF	A	Q	CC	UUU	EEE	DDDDD	64	68	82											
EOT386	I(LUBE)2 - Waste Water Treating																																
EQT387	UTL-CTIR - Cooling Tower CTIR																																
FUG019	Lube Plant Fugitives																																
RLP020	I(2512-3)4 – Wax Stabbing Bulk Handling Vent 1 (GB-10)																																
RLP021	I(2512-3)5 – Wax Stabbing Bulk Handling Vent 2 (GB-11)																																
RLP022	I(2460) Furfural Drum Vent FA-8																																

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
Blank – The regulations clearly do not apply to this type of emission source.
3^e – Compliance is achieved by implementing the Consolidated Fugitive Program. Fugitive compliance is achieved through compliance with Louisiana Refinery MACT.

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Citgo Petroleum Corp
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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GRP144 – CLAW Area	Compliance Assurance Monitoring For Major Stationary Sources 40 CFR 64	DOES NOT APPLY Applies to a pollutant-specific emissions unit at a major source that is required to obtain a part 70 or 71 permit if the unit satisfies certain criteria. Rule does not apply to emissions units subject to an emission limitation or standard proposed by the Administrator after November 15, 1990 pursuant to section 111 or 112 of the Act.
ACT001, 1(2547)3 – Truck and Rail Car Loading	Volatile Organic Compounds – Loading [LAC 33:III.2107]	EXEMPT. Vapor pressure < 1.5 psia.
EQT358, 1(2458)1 Vacuum Furnace, BA-1	Emission Standards for Sulfur Dioxide [LAC 33:III.1503]	EXEMPT. Units emit less than 250 tons of SO ₂ per year.
EQT359, 1(2458)2 Vacuum Furnace, BA-101	Reduced Sulfur Compounds (New and Existing Sources) [LAC 33:III.1509]	EXEMPT. Source emit < 10 tpy H ₂ S.
EQT360, 1(2459)1 – Steam Plant Boiler, BF-1, EQT361, 1(2459)2 – Steam Plant Boiler, BF-2, EQT362, 1(2459)3 – Steam Plant Boiler, BF-3, EQT 363, 1(2459)4 – Steam Plant Boiler, BF-4	Waste Gas Disposal [LAC 33:III.2115]	EXEMPT. Streams that transfer waste gas to a plant fuel gas system are not considered to be waste gas and are therefore exempt by definition.
EQT360, 1(2459)1 – Steam Plant Boiler, BF-1, EQT361, 1(2459)2 – Steam Plant Boiler, BF-2, EQT362, 1(2459)3 – Steam Plant Boiler, BF-3, EQT 363, 1(2459)4 – Steam Plant Boiler, BF-4	Comprehensive Toxic Air Pollutant Program [LAC 33:III.5109] STATE ONLY	EXEMPT. Air toxic emissions from the combustion of Group 1 virgin fossil fuels are exempt from control requirements per LAC 33:III.5105.B.3.a
EQT360, 1(2459)1 – Steam Plant Boiler, BF-1, EQT361, 1(2459)2 – Steam Plant Boiler, BF-2, EQT362, 1(2459)3 – Steam Plant Boiler, BF-3, EQT 363, 1(2459)4 – Steam Plant Boiler, BF-4	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1503]	EXEMPT. Units emit less than 250 tons of SO ₂ per year.
EQT360, 1(2459)1 – Steam Plant Boiler, BF-1, EQT361, 1(2459)2 – Steam Plant Boiler, BF-2, EQT362, 1(2459)3 – Steam Plant Boiler, BF-3, EQT 363, 1(2459)4 – Steam Plant Boiler, BF-4	Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60, Subpart Db]	DOES NOT APPLY. Construction of units commenced prior to 1984.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT364, 1(2460)1 – Furfural Furnace, BA-1	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1.503]	EXEMPT. Units emit less than 250 tons of SO ₂ per year.
EQT365, 1(2460)3 – Furfural Furnace, BA-3	Continuous Emissions Monitoring [LAC 33:III.1.511]	EXEMPT. Source emits < 100 TPY.
EQT367, 1(2461-1)1 – MEK-1 Furnaces, BA-1 & BA-2	Comprehensive Toxic Air Pollutant Program [LAC 33:III.5109] STATE ONLY	EXEMPT. Air toxic emissions from the combustion of Group 1 virgin fossil fuels are exempt from control requirements per LAC 33:III.5105.B.3.a.
EQT368, 1(2461-2)3 – MEK-2 Furnaces, BA-1 & BA-2		
EQT369, 1(2461-2)4 – MEK-2 Furnace, BA-3		
EQT378, 1(427)1 – Duo-Sol Furnace N-2A		
EQT379, 1(427)2 – Duo-Sol Furnace N-2B		
EQT380, 1(427)3 – Duo-Sol Furnace N-2C		
EQT381, 1(427)4 – Duo-Sol Furnace S-1		
EQT382, 1(427)5 – Duo-Sol Furnace S-2		
EQT383, 1(427)6 – Duo-Sol Furnace P-2		

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Citgo Lubricants and Wax (CLAW) Plant
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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1503]	EXEMPT. Units emit less than 250 tons of SO ₂ per year.
	Reduced Sulfur Compounds (New and Existing Sources) [LAC 33:III.1509]	EXEMPT. Source emits < 10py H ₂ S.
	Continuous Emissions Monitoring [LAC 33:III.1511]	EXEMPT. Source emits < 100 TPY.
EQT370, 1(2512-1) – Wax Finishing Clay Kiln, Stack 2@ BH-1	Waste Gas Disposal [LAC 33:III.2115]	EXEMPT. Streams that transfer waste gas to a plant fuel gas system are not considered to be waste gas and are therefore exempt by definition.
EQT371, 1(2512-1)2 – Wax Finishing Clay Kiln, Stack 2@ BH-1	Comprehensive Toxic Air Pollutant Program [LAC 33:III.5109] STATE ONLY	EXEMPT. Air toxic emissions from the combustion of Group 1 virgin fossil fuels are exempt from control requirements per LAC 33:III.5105.B.3.a
EQT372, 1(2512-4) – Wax Finishing Unit Clay Handling Equipment	Waste Gas Disposal [LAC 33:III.2115]	EXEMPT. The vent from this process vessel emits less than 100 lbs of VOC per 24 hours.
EQT377, 1(2547)4 – Horizontal Fixed Roof Garage Tanks, FB-2, FB-3, FB-4	Filling of Gasoline Storage Vessels. [LAC 33:III.2131]	EXEMPT. The throughput of the tanks is less than 120,000 gallons per year with a 10,000 gallons per month 30 day rolling limit.
EQT 366, 1(2460)5 – Furfural Tank Grouping	NSPS Subpart Kb – Standards for Performance for Storage Vessels for Petroleum Liquids. [40 CFR 60.110b]	DOES NOT APPLY. Constructed prior to 1984.
EQT 373, 1(2512-1)5 – Wax Tanks Grouping	Storage of Volatile Organic Compounds [LAC 33:III.2103]	EXEMPT. TVP <1.5 psia.
EQT 374, 1(2512-1)7 –	NSPS Subpart K – Standards for Performance for Storage Vessels for Petroleum Liquids. [40 CFR 60.110]	EXEMPT. TVP of any petroleum liquids <1.5 psia.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
Naphtha Tank, FB-32 EQT 375, 1(2547)1 – Transfer Tanks Less Than 1 Million Gallons	NSPS Subpart Ka – Standards for Performance for Storage Vessels for Petroleum Liquids. [40 CFR 60.110a]	EXEMPT. TVP of any petroleum liquids <1.5 psia.
EQT 376, 1(2547)2 – Transfer Tanks Greater Than 1 Million Gallons	NSPS Subpart Kb – Standards for Performance for Storage Vessels for Petroleum Liquids. [40 CFR 60.110b]	EXEMPT. TVP of any petroleum liquids <0.5 psia.
EQT384, 1(427)9 – Duo-Sol Selecto Tanks Grouping	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33.III.1503]	EXEMPT. Units emit less than 250 tons of SO ₂ per year.
EQT385, 1(LJUBE)1 – Lube Plant Flare	Oil-Water Separators [LAC 33.III.2109]	EXEMPT. Vapor pressure of oil <0.5 psia.
EQT386, 1(LJUBE)2 Waste Water Treating		
RLP020, 1(2512-3)4 – Wax Slabbing Bulk Handling Vent 1 (GB-10)	Waste Gas Disposal [LAC 33.III.2115]	EXEMPT. The vent from this process vessel emits less than 100 lbs of VOC per 24 hours.
RLP021, 1(2512-3)5 – Wax Slabbing Bulk Handling Vent 1 (GB-11)		
RLP022, 1(2460) Furfural Drum Vent FA-8		

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of

40 CFR PART 70 GENERAL CONDITIONS

attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;

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5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

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- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 1, 1996. A revised application was submitted on December 16, 2005 requesting a Part 70 operating permit along with supplemental information dated March 6, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1250 Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER1996009
 Permit Number: 3009-V0
 Air - Title V Regular Permit Initial

Also Known As:	ID	Name	User Group	Start Date
	0520-00016	Citgo Petroleum Corp - Lake Charles Manufacturing Complex	CDS Number	05-27-1993
	0520-00116	Citgo Petroleum Corp - Lake Charles Manufacturing Complex	Emission Inventory	03-01-2004
	73-1173881	Federal Tax ID	Federal Tax ID	01-21-1998
LAD008080350	Citgo Petroleum Corp	Hazardous Waste Notification	08-13-1980	
PC/CA	GPRRA Baselines	Hazardous Waste Permitting	10-01-1997	
0021-2	Cities Service Oil & Gas	Inactive & Abandoned Sites	11-27-1979	
LAD008080350	Citgo Petroleum Corp	Inactive & Abandoned Sites	11-27-1979	
LA0005941	LPDES #	LPDES Permit #	05-22-2003	
LAR05N113	LPDES #	LPDES Permit #	10-24-2001	
LAR10B787	LPDES #	LPDES Permit #	01-17-2002	
LAR10B899	LPDES #	LPDES Permit #	06-25-2003	
LAR10B978	LPDES #	LPDES Permit #	09-27-2002	
LAR10C363	LPDES #	LPDES Permit #	08-08-2004	
WP4260	W/PC State Permit Number	LWDPS Permit #	06-25-2003	
LA-2312-L-01	Radioactive Material License	Radiation License Number	10-02-2000	
2312	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999	
G-019-15116	Site ID #	Solid Waste Facility No.	11-21-1999	
GD-019-0494	SW ID#	Solid Waste Facility No.	04-30-2001	
2098	Cities Service Co	TEMPO Merge	06-17-2003	
27761	Citgo Petroleum Corp	TEMPO Merge	01-08-2001	
38803	Citgo Petroleum Corp - Lake Charles Operations	TEMPO Merge	07-15-2001	
41047	Citgo Petroleum Corp	TEMPO Merge	01-08-2001	
47222	Citgo Petroleum Corp - Lake Charles Refinery	TEMPO Merge	09-12-2001	
4723	Cities Service Co - Butyl Plant	TEMPO Merge	01-08-2001	
4724	Cities Service Co - Lube Plant	TEMPO Merge	06-17-2003	
0520-00116	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991	
70602CTGPHTIGHW	TRI #	Toxic Release Inventory	07-09-2004	
WQC 011005-02	Water Quality Certification #	Water Certification	10-09-2001	
WQC 020605-05	Water Quality Certification #	Water Certification	06-06-2002	
WQC RC 056209-04	Water Quality Certification #	Water Certification	02-22-2005	
WQC TR 030814-01	Water Quality Certification #	Water Certification	08-14-2003	

Physical Location:
 4401 Hwy 108 S
 (a portion of)

Main Phone: 3377086079

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TPORD148

General Information

AI ID: 1250 Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960009
 Permit Number: 3009-V0
 Air - Title V Regular Permit Initial

Sulphur, LA 70669

Mailing Address:	PO Box 1562 Lake Charles, LA 706021562		
Location of Front Gate:	30°11' 0" 78 hundredths latitude, 93°19' 12" 40 hundredths longitude, Coordinate Method: GPS Code (Pseudo Range) Precise Position, Coordinate Datum: NAD27		
Related People:	Name	Mailing Address	Phone (Type)
	Mary Burns	PO Box 1562 Lake Charles, LA 706021562	3377087507 (WP)
	Vina Charles	PO Box 1562 Lake Charles, LA 706021562	Accident Prevention Contact for Radiation Contact For
	Dave Hollis	PO Box 1562 Lake Charles, LA 706021562	Solid Waste Billing Party for Accident Prevention Billing Party for
	Vickie Pierre	PO Box 1562 Lake Charles, LA 706021562	Responsible Official for Radiation Safety Officer for
	Karl Schmidt	PO Box 1562 Lake Charles, LA 706021562	Radiation Safety Officer for Radiation Safety Officer for
	Judy Spears	PO Box 1562 Lake Charles, LA 706021562	Responsible Official for
	Judy Spears	PO Box 1562 Lake Charles, LA 706021562	
	Russ Willmon	PO Box 1562 Lake Charles, LA 706021562	
Related Organizations:	Name	Address	Phone (Type)
	Citgo Petroleum Corp	PO Box 4689 Houston, TX 772104689	8324864000 (WP)
	Citgo Petroleum Corp	PO Box 1562 Lake Charles, LA 706021562	Owns Water Billing Party for
	Citgo Petroleum Corp	PO Box 1562 Lake Charles, LA 706021562	Air Billing Party for Radiation License Billing Party for
	Citgo Petroleum Corp	PO Box 1562 Lake Charles, LA 706021562	Provides environmental services for
	URS Corp	7389 Florida Blvd Ste 300 Baton Rouge, LA 70806	2239225701 (WF)
	URS Corp	7389 Florida Blvd Ste 300 Baton Rouge, LA 70806	Provides environmental services for
SIC Codes:	2819, Industrial inorganic chemicals, nec 2869, Industrial organic chemicals, nec 2911, Petroleum refining		

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max Operating Rate	Normal Operating Rate	Contents	Operating Time
ACT001	1(2547)3 - Truck and Rail Car Loading					8760 hr/yr (All Year)
EQT358	1(2458)1 - Vacuum Furnace, BA-1	125 MM BTU/hr	77.5 MM BTU/hr			8760 hr/yr (All Year)
EQT359	1(2458)2 - Vacuum Furnace, BA-101	125 MM BTU/hr	77.5 MM BTU/hr			8760 hr/yr (All Year)
EQT360	1(2459)1 - Steam Plant Boiler, BF-1	220 MM BTU/hr	139 MM BTU/hr			8760 hr/yr (All Year)
EQT361	1(2459)2 - Steam Plant Boiler, BF-2	220 MM BTU/hr	139 MM BTU/hr			8760 hr/yr (All Year)
EQT362	1(2459)3 - Steam Plant Boiler, BF-3	220 MM BTU/hr	139 MM BTU/hr			8760 hr/yr (All Year)
EQT363	1(2459)4 - Steam Plant Boiler, BF-4	249 MM BTU/hr	167 MM BTU/hr			8760 hr/yr (All Year)
EQT364	1(2460)1 - Furfural Furnace, BA-1	145 MM BTU/hr	115.6 MM BTU/hr			8760 hr/yr (All Year)
EQT365	1(2460)3 - Furfural Furnace, BA-3	25 MM BTU/hr	6.3 MM BTU/hr			8760 hr/yr (All Year)
EQT366	1(2460)5 - Furfural Tanks Grouping					8760 hr/yr (All Year)
EQT367	1(2461-1)1 - MEK-1 Furnaces, BA-1 & BA-2	105 MM BTU/hr	64.6 MM BTU/hr			8760 hr/yr (All Year)
EQT368	1(2461-2)3 - MEK-2 Furnaces, BA-1 & BA-2	102 MM BTU/hr	68.3 MM BTU/hr			8760 hr/yr (All Year)
EQT369	1(2461-2)4 - MEK-2 Furnace, BA-3	58 MM BTU/hr	38.4 MM BTU/hr			8760 hr/yr (All Year)
EQT370	1(2512-1)1 - Wax Finishing Clay Kiln, Stack 1 @ BH-1	6.15 MM BTU/hr	4 MM BTU/hr			3120 hr/yr (All Year)
EQT371	1(2512-1)2 - Wax Finishing Clay Kiln, Stack 2 @ BH-1	6.15 MM BTU/hr	4 MM BTU/hr			3120 hr/yr (All Year)
EQT372	1(2512-1)4 - Wax Finishing Unit Clay Handling Equipment					3120 hr/yr (All Year)
EQT373	1(2512-1)5 - Wax Tanks Grouping					8760 hr/yr (All Year)
EQT374	1(2512-1)7 - Naphtha Tank, FB-32					8760 hr/yr (All Year)
EQT375	1(2547)1 - Transfer Tanks Less Than 1,000,000 Gallons					8760 hr/yr (All Year)
EQT376	1(2547)4 - Horizontal Fixed Roof Garage Tanks, FB-2, FB-3, FB-4	97 MM BTU/hr	64.7 MM BTU/hr			8760 hr/yr (All Year)
EQT377	1(2547)4 - Transfer Tanks Greater Than 1,000,000 Gallons	97 MM BTU/hr	64.7 MM BTU/hr			8760 hr/yr (All Year)
EQT378	1(427)1 - Duo-Sol Furnace N-2A	105 MM BTU/hr	64.7 MM BTU/hr			8760 hr/yr (All Year)
EQT379	1(427)2 - Duo-Sol Furnace N-2B	12.75 MM BTU/hr	2.6 MM BTU/hr			8760 hr/yr (All Year)
EQT380	1(427)3 - Duo-Sol Furnace N-2C	12.75 MM BTU/hr	1.3 MM BTU/hr			8760 hr/yr (All Year)
EQT381	1(427)4 - Duo-Sol Furnace S-1	62 MM BTU/hr	31 MM BTU/hr			8760 hr/yr (All Year)
EQT382	1(427)5 - Duo-Sol Furnace S-2					8760 hr/yr (All Year)
EQT383	1(427)6 - Duo-Sol Furnace P-2					8760 hr/yr (All Year)
EQT384	1(427)9 - Duo-Sol Selecto Tanks Grouping					8760 hr/yr (All Year)
EQT385	1(LUBE)1 - Lube Plant Flare					8760 hr/yr (All Year)
EQT386	1(LUBE)2 - Waste Water Treating	60000 gallons/min				60 hr/yr (All Year)
EQT387	Ult-CTR - Cooling Tower - CTR					8760 hr/yr (All Year)
EQT391	Purging off-spec equipment to flare (from all units)					8760 hr/yr (All Year)
FUG019	LUBE-FUG - Lube Plant Fugitives					8760 hr/yr (All Year)
RFP020	1(2512-3)4 - Wax Slabbing Bulk Handling Vent1 (GB-10)					8760 hr/yr (All Year)
RFP021	1(2512-3)5 - Wax Slabbing Bulk Handling Vent2 (GB-11)					8760 hr/yr (All Year)
RFP022	1(2460)4 Furfural Drum Vent FA-8					8760 hr/yr (All Year)

INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960009
 Permit Number: 3009-V0
 Air - Title V Regular Permit Initial

Subject Item Groups:	ID	Description	Included Components (from Above)
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT358 1(2458)1 - Vacuum Furnace, BA-1
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT359 1(2458)2 - Vacuum Furnace, BA-101
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT360 1(2459)1 - Steam Plant Boiler, BF-1
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT361 1(2459)2 - Steam Plant Boiler, BF-2
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT362 1(2459)3 - Steam Plant Boiler, BF-3
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT363 1(2459)4 - Steam Plant Boiler, BF-4
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT364 1(2460)1 - Furfural Furnace, BA-1
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT365 1(2460)3 - Furfural Furnace, BA-3
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT367 1(2461-1) - MEK-1 Furnaces, BA-1 & BA-2
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT368 1(2461-2)3 - MEK-2 Furnaces, BA-1 & BA-2
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT369 1(2461-2)4 - MEK-2 Furnace, BA-3
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT378 1(427)1 - Duo-Sol Furnace N-2A
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT379 1(427)2 - Duo-Sol Furnace N-2B
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT380 1(427)3 - Duo-Sol Furnace N-2C
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT381 1(427)4 - Duo-Sol Furnace S-1
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT382 1(427)5 - Duo-Sol Furnace S-2
	GRP142 1(CLAW)CAP1 - Combustion Cap		EQT383 1(427)6 - Duo-Sol Furnace P-2
	GRP143 Alternate Scenario - Combustion Cap		EQT358 1(2458)1 - Vacuum Furnace, BA-1
	GRP143 Alternate Scenario - Combustion Cap		EQT359 1(2458)2 - Vacuum Furnace, BA-101
	GRP143 Alternate Scenario - Combustion Cap		EQT360 1(2459)1 - Steam Plant Boiler, BF-1
	GRP143 Alternate Scenario - Combustion Cap		EQT361 1(2459)2 - Steam Plant Boiler, BF-2
	GRP143 Alternate Scenario - Combustion Cap		EQT362 1(2459)3 - Steam Plant Boiler, BF-3
	GRP143 Alternate Scenario - Combustion Cap		EQT363 1(2459)4 - Steam Plant Boiler, BF-4
	GRP143 Alternate Scenario - Combustion Cap		EQT364 1(2460)1 - Furfural Furnace, BA-1
	GRP143 Alternate Scenario - Combustion Cap		EQT365 1(2460)3 - Furfural Furnace, BA-3
	GRP143 Alternate Scenario - Combustion Cap		EQT367 1(2461-1)1 - MEK-1 Furnaces, BA-1 & BA-2
	GRP143 Alternate Scenario - Combustion Cap		EQT368 1(2461-2)3 - MEK-2 Furnaces, BA-1 & BA-2
	GRP143 Alternate Scenario - Combustion Cap		EQT369 1(2461-2)4 - MEK-2 Furnace, BA-3
	GRP144 CLAW Area		EQT378 1(427)1 - Duo-Sol Furnace N-2A
	GRP144 CLAW Area		EQT379 1(427)2 - Duo-Sol Furnace N-2B
	GRP144 CLAW Area		EQT380 1(427)3 - Duo-Sol Furnace N-2C
	GRP144 CLAW Area		ACT1 1(2547)3 - Truck and Rail Car Loading
	GRP144 CLAW Area		EQT358 1(2458)1 - Vacuum Furnace, BA-1
	GRP144 CLAW Area		EQT359 1(2458)2 - Vacuum Furnace, BA-101
	GRP144 CLAW Area		EQT360 1(2459)1 - Steam Plant Boiler, BF-1
	GRP144 CLAW Area		EQT361 1(2459)2 - Steam Plant Boiler, BF-2
	GRP144 CLAW Area		EQT362 1(2459)3 - Steam Plant Boiler, BF-3

INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
 Activity Number: PER19960009
 Permit Number: 3009-V0
 Air - Title V Regular Permit Initial

Subject Item Groups:

Subject Item Group:	Description	Included Components (from Above)	Relationship	Subject Item	Stack Information:
GRP144 CLAW Area		EQT363 1(2459)4 - Steam Plant Boiler, BF-4	Vents to	EQT385 1(LUBE)1 - Lube Plant Flare	
GRP144 CLAW Area		EQT364 1(2460)1 - Furnace, BA-1			
GRP144 CLAW Area		EOT365 1(2460)3 - Furnace, BA-3			
GRP144 CLAW Area		EOT366 1(2460)5 - Furnace, BA-5			
GRP144 CLAW Area		EOT367 1(2461)11 - MEK-1 Furnaces, BA-1 & BA-2			
GRP144 CLAW Area		EOT368 1(2461)23 - MEK-2 Furnaces, BA-1 & BA-2			
GRP144 CLAW Area		EOT369 1(2461)24 - MEK-2 Furnace, BA-3			
GRP144 CLAW Area		EOT370 1(2512)11 - Wax Finishing Clay Kiln, Stack 1 @ BH-1			
GRP144 CLAW Area		EOT371 1(2512)12 - Wax Finishing Clay Kiln, Stack 2 @ BH-1			
GRP144 CLAW Area		EOT372 1(2512)14 - Wax Finishing Unit Clay Handling Equipment			
GRP144 CLAW Area		EOT373 1(2512)15 - Wax Tanks Grouping			
GRP144 CLAW Area		EOT374 1(2512)17 - Naphtha Tank, FB-32			
GRP144 CLAW Area		EOT375 1(2547)1 - Transfer Tanks Less Than 1,000,000 Gallons			
GRP144 CLAW Area		EOT376 1(2547)2 - Transfer Tanks Greater Than 1,000,000 Gallons			
GRP144 CLAW Area		EOT377 1(2547)4 - Horizontal Fixed Roof Garage Tanks, FB-2, FB-3, FB-4			
GRP144 CLAW Area		EOT378 1(427)1 - Duo-Sol Furnace N-2A			
GRP144 CLAW Area		EOT379 1(427)2 - Duo-Sol Furnace N-2B			
GRP144 CLAW Area		EOT380 1(427)3 - Duo-Sol Furnace N-2C			
GRP144 CLAW Area		EOT381 1(427)4 - Duo-Sol Furnace S-1			
GRP144 CLAW Area		EOT382 1(427)5 - Duo-Sol Furnace S-2			
GRP144 CLAW Area		EOT383 1(427)6 - Duo-Sol Furnace P-2			
GRP144 CLAW Area		EOT384 1(427)9 - Duo-Sol Selecto Tanks Grouping			
GRP144 CLAW Area		EOT385 1(LUBE)1 - Lube Plant Flare			
GRP144 CLAW Area		EOT386 1(LUBE)2 - Waste Water Treating			
GRP144 CLAW Area		EQT387 UTL-CTR - Cooling Tower - CT1R			
GRP144 CLAW Area		EQT391 Purging off-spec equipment to flare (from all units)			
GRP144 CLAW Area		FUG19 LUBE-FUG - Lube Plant Fugitives			
GRP144 CLAW Area		RLP20 1(2512)34 - Wax Slabbing Bulk Handling Vent 1 (GB-10)			
GRP144 CLAW Area		RLP21 1(2512)35 - Wax Slabbing Bulk Handing Vent 2 (GB-11)			
GRP144 CLAW Area		RLP22 1(2460)4 Furnace Drum Vent FA-8			
Relationships:		Subject Item	Relationship	Subject Item	Stack Information:
EOT391 Purging off-spec equipment to flare (from all units)					
ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
					Temperature (°F)

INVENTORIES

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER1996009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
ACT001	17	22159	5.25		101.5	77
EQT358	17	22159	5.25		101.5	500
EQT359	41	69857	6		101.5	500
EQT360	41	69857	6		101.5	450
EQT361	41	69857	6		101.5	450
EQT362	41	69857	6		101.5	450
EQT363	31	70471	7		61.4	450
EQT364	14	17977	5.25		114.3	800
EQT365	5	3322	3.75		74.4	550
EQT366	23	24578	4.75			77
EQT367	17	18337	4.75		101.5	500
EQT368	12	14512	5		101.5	400
EQT369	29	8197	2.46		98.5	560
EQT370	27	7564	2.46		90	366
EQT371	27	7564	2.46		90	361
EQT372	27	7564	2.46		90	361
EQT373	49	19552	2.92			77
EQT374	61	24552	2.92			77
EQT378	61	24552	2.92		156.2	425
EQT379	61	24552	2.92		156.2	425
EQT380	10	1887	1.96		156.2	425
EQT381	7	767	1.5		51.5	900
EQT382	7	767	1.5		51.5	750
EQT383	14	17977	5.25		114.3	800
EQT384	66	15747	1.61			77
EQT385	66	15747	1.61		150	1832
RIP020	1	10	.34		10	170
RIP021	1	10	.34		10	170
RIP022	5.23	6.87	.17		1	85

Fee Information:

Sub Item Id	Multipier	Units Of Measure	Fee Desc
GRP144	1,000 BBL/Day		0720 - Petroleum Refining (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AJ ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ACT 001 1(245)3													0.283	8.09	1.24
EQT 358 1(245)11		0.93			60.14			12.25			10.29				0.67
EQT 359 1(245)12		0.93			60.14			5.25		10.29					0.67
EQT 360 1(245)11		1.64			16.81			60.39			18.12				1.19
EQT 361 1(245)12		1.64			16.81			60.39			18.12				1.19
EQT 362 1(245)13		1.64			16.81			60.39			18.12				1.19
EQT 363 1(245)14		1.86			19.02			68.35			20.51				1.34
EQT 364 1(246)01		1.08			11.08			39.80			11.94				0.78
EQT 365 1(246)03		0.19			1.91			2.45			2.06				0.13
EQT 366 1(246)05													0.03		0.01
EQT 367 1(246-1)1		0.78			8.02			10.29			8.65				0.57
EQT 368 1(246-1)23								7.79			8.40				0.55
EQT 369 1(246-1)24								4.43			5.69				0.31
EQT 370 1(251-2-1)1	3.32	3.32	14.57	0.144	0.47	0.632	0.402	0.60	1.77	0.34	0.51	1.48	1.11	1.11	4.88
EQT 371 1(251-2-1)2	3.16	3.16	13.87	0.144	0.47	0.632	0.402	0.60	1.77	0.34	0.51	1.48	0.65	0.65	2.86
EQT 372 1(251-2-1)4													0.001	0.001	0.01
EQT 373 1(251-2-1)5													2.57		11.24
EQT 374 1(251-2-1)7													0.24		1.05

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀		SO ₂		NOx		CO		VOC			
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 375 1(254)1										0.28		1.24
EQT 376 1(254)2										0.89		3.89
EQT 377 1(254)4										2.098		9.19
EQT 378 1(42)1	0.72			7.41			9.51					0.52
EQT 379 1(42)2	0.72			7.41			9.51					0.52
EQT 380 1(42)3	0.78			8.02			10.28			8.65		0.57
EQT 381 1(42)4	0.10			0.97			1.25			1.05		0.07
EQT 382 1(42)5	0.10			0.97			1.25			1.05		0.07
EQT 383 1(42)6	0.46			4.74			6.08			5.11		0.33
EQT 384 1(42)9										0.373		1.63
EQT 385 1(LUE)1	0.44	0.44	1.94	3.89	3.89	17.09	1.06	1.06	4.67	5.79	25.42	2.52
EQT 386 1(LUE)2												11.04
EQT 387 UL-C1R	2.25	2.25	9.90									357.30
FUG 019												700.10
LUBE-FUG												
GRP 142 1(OAW)C41	9.40		41.27	145.48		638.94	242.76	1066.21	103.86	456.17	6.80	29.87
GRP 143 All Scenario	117.46	514.47	1485.97	6508.55	520.57	2280.00	54.14	237.13	3.16	0.452	0.452	13.84
RLP 020 1(25)2-3)4												1.98
RLP 021 1(25)2-3)5												0.226
												0.226
												0.99

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀		SO ₂		NOx		CO		VOC	
	Avg lb/hr	Max lb/hr	Avg lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
RLP 022 1126804										

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 554.75 tons/yr
SO2: 6526.90 tons/yr
NOx: 2288.20 tons/yr
CO: 484.55 tons/yr
VOC: 1161.98 tons/yr

Emission Rates Notes:

GRP 143 PM10 Tons/Year
GRP 143 SO2 Tons/Year
GRP 143 NOx Tons/Year
GRP 143 CO Tons/Year
GRP 143 VOC Tons/Year

The Permit Phase Total includes the highest emission rate (TPY) from the normal operating scenario or the alternate operating scenario for the combustion sources Which Months: All Year
The Permit Phase Total includes the highest emission rate (TPY) from the normal operating scenario or the alternate operating scenario for the combustion sources Which Months: All Year
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The Permit Phase Total includes the highest emission rate (TPY) from the normal operating scenario or the alternate operating scenario for the combustion sources Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

All phases

Ammonia		Benzene		Chlorine		Cresol		Ethyl benzene	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 377				0.015		0.064			
1(2547)4									0.002
EOT 384									0.009
1(427)9									
EQT 385				0.004		0.018			
1(LUE)1									
EOT 386									
1(LUE)2									
EQT 387							< 0.001	< 0.001	
ULC-CTR									
FUG 019	0.52		2.26						
LUBE-FUG									
RLP 020									
1(2512-3)4									
RLP 021									
1(2512-3)5									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER1996009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Methyl Tertiary Butyl Ether			Methyl ethyl Ketone			Naphthalene			Phenol			Toluene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EOT 377	0.006		0.028										0.025		0.110
1(25474)															
EOT 384															
1(427)9															
EOT 385															
1(lube)1															
EOT 386															
1(lube)2															
EOT 387															
UNLCTIR															
FUG 019															
LUBE-FUG															
RLP 020															
1(2512-3)4															
RLP 021															
1(2512-3)5															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Vinyl acetate	Xylene (mixed isomers)	n-Hexane					
Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 377 1125474			0.009		0.039	0.032		0.141
EQT 384 1142719								
EQT 385 11LUE11								
EQT 386 11LUE12								
EQT 387 11LUE1R								
FUG 019 11LUE-FUG	0.23			1.007				
RLP 020 112512-314	0.452		0.452	1.983				
RLP 021 112512-315	0.226		0.226	0.992				

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

Ammonia: 2.26 tons/yr
 Benzene: 0.082 tons/yr
 Chlorine: 0.008 tons/yr
 Cressol: 14.356 tons/yr
 Ethyl benzene: 0.010 tons/yr
 Methyl ethyl ketone: 332.283 tons/yr
 Methyl Tertiary Butyl Ether: 0.028 tons/yr
 n-Hexane: 0.141 tons/yr
 Naphthalene: 3.659 tons/yr
 Phenol: 27.075 tons/yr
 Toluene: 76.701 tons/yr
 Vinyl acetate: 3.982 tons/yr
 Xylene (mixed isomers): 0.040 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

All phases

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

EQT358 1(2458)1 - Vacuum Furnace, BA-1

- 1 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D.Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. [LAC 33:III.1.503.D.1]
- 2 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), within seven calendar days after startup. Submit report if requesting exemption from the provisions of LAC 33:III.1.503.A. Explain the conditions and duration of the startup and list the steps necessary to remedy, prevent and limit the excess emissions. [LAC 33:III.1.507.A.1]
- 3 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), within seven calendar days of an upset which has caused excess emissions, and if on-line operating changes will eliminate a temporary condition. Submit report if requesting exemption from the emission limitations of LAC 33:III.1.503.A. Explain the conditions and duration of the upset and list the steps necessary to remedy, prevent and limit the excess emissions. [LAC 33:III.1.507.B.1]
- 4 Permittee shall submit an alternative to continuous monitoring to the Office of Environmental Services, Environmental Technology Division within two months from date of issuance of this permit. [LAC 33:III.1.511.C]
- 5 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1.513]
- 6 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 1.5. [LAC 33:III.1.513]
- 7 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1.513]

EQT359 1(2458)2 - Vacuum Furnace, BA-101

- 8 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D.Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. [LAC 33:III.1.503.D.1]
- 9 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), within seven calendar days after startup. Submit report if requesting exemption from the provisions of LAC 33:III.1.503.A. Explain the conditions and duration of the startup and list the steps necessary to remedy, prevent and limit the excess emissions. [LAC 33:III.1.507.A.1]
- 10 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), within seven calendar days of an upset which has caused excess emissions, and if on-line operating changes will eliminate a temporary condition. Submit report if requesting exemption from the emission limitations of LAC 33:III.1.503.A. Explain the conditions and duration of the upset and list the steps necessary to remedy, prevent and limit the excess emissions. [LAC 33:III.1.507.B.1]
- 11 Permittee shall submit an alternative to continuous monitoring to the Office of Environmental Services, Environmental Technology Division within two months from date of issuance of this permit. [LAC 33:III.1.511.C]
- 12 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1.513]
- 13 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 1.5. [LAC 33:III.1.513]
- 14 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:I.Chapter 39. [LAC 33:III.1.513]

EQT360 1(2459)1 - Steam Plant Boiler, BF-1

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER1996009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

EQT360 1(2459)1 - Steam Plant Boiler, BF-1

15 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT361 1(2459)2 - Steam Plant Boiler, BF-2

16 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT362 1(2459)3 - Steam Plant Boiler, BF-3

17 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT363 1(2459)4 - Steam Plant Boiler, BF-4

18 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT364 1(2460)1 - Furfural Furnace, BA-1

19 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT365 1(2460)3 - Furfural Furnace, BA-3

20 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT366 1(2460)5 - Furfural Tanks Grouping

- 21 VOL storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored. [LAC 33:III.2103.1.6]
- 22 No additional control is determined as MACT. [LAC 33:III.5109.A]
- 23 Tanks are uncontrolled. [40 CFR 61.342(e)(2), 40 CFR 61.355(k)]
- 24 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]
- 25 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
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Air - Title V Regular Permit Initial

EQT367 1(2461-1)1 - MEK-1 Furnaces, BA-1 & BA-2

26 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III, Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1.51.3]

EQT368 1(2461-2)3 - MEK-2 Furnaces, BA-1 & BA-2

27 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III, Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1.51.3]

EQT369 1(2461-2)4 - MEK-2 Furnace, BA-3

28 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III, Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1.51.3]

EQT370 1(2512-1)1 - Wax Finishing Clay Kiln, Stack 1 @ BH-1

29 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]

Which Months: All Year Statistical Basis: None specified

30 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.305.1.-7. [LAC 33:III.1.305]

31 Total suspended particulate <= 0.551 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1.311.B]

Which Months: All Year Statistical Basis: Three-hour average

32 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]

Which Months: All Year Statistical Basis: Six-minute average

33 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III, Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1.51.3]

EQT371 1(2512-1)2 - Wax Finishing Clay Kiln, Stack 2 @ BH-1

34 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]

Which Months: All Year Statistical Basis: None specified

35 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.305.1.-7. [LAC 33:III.1.305]

36 Total suspended particulate <= 0.551 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1.311.B]

Which Months: All Year Statistical Basis: Three-hour average

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

EQT371 1(2512-1)2 - Wax Finishing Clay Kiln, Stack 2 @ BH-1

37 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]

Which Months: All Year Statistical Basis: Six-minute average

38 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:II.I Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1.51.3]

EQT372 1(2512-1)4 - Wax Finishing Unit Clay Handling Equipment

39 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.305.1-7 [LAC 33:III.1.305]

40 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]

Which Months: All Year Statistical Basis: Six-minute average

EQT373 1(2512-1)5 - Wax Tanks Grouping

41 VOL storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored. [LAC 33:III.2103.I.6]

42 No additional control is determined as MACT. [LAC 33:III.5109.A]

43 Tanks are uncontrolled. [40 CFR 61.342(e)(2), 40 CFR 61.355(k)]

44 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651 (b) through (d). Subpart CC. [40 CFR 63.651(a)]

45 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]

EQT374 1(2512-1)7 - Naphtha Tank, FB-32

46 VOL storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored. [LAC 33:III.2103.I.6]

47 Tank is uncontrolled. [40 CFR 61.342(e)(2), 40 CFR 61.355(k)]

48 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651 (b) through (d). Subpart CC. [40 CFR 63.651(a)]

49 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]

EQT375 1(2547)1 - Transfer Tanks Less Than 1,000,000 Gallons

50 VOL storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored. [LAC 33:III.2103.I.6]

51 Tanks are uncontrolled. [40 CFR 61.342(e)(2), 40 CFR 61.355(k)]

52 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651 (b) through (d). Subpart CC. [40 CFR 63.651(a)]

53 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]

EQT376 1(2547)2 - Transfer Tanks Greater Than 1,000,000 Gallons

54 VOL storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored. [LAC 33:III.2103.I.6]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

EQT376 1(2547)2 - Transfer Tanks Greater Than 1,000,000 Gallons

55 Tanks are uncontrolled. [40 CFR 61.342(e)(2), 40 CFR 61.355(k)]

56 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651 (b) through (d). Subpart CC. [40 CFR 63.651(a)]

57 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]

EQT377 1(2547)4 - Horizontal Fixed Roof Garage Tanks, FB-2, FB-3, FB-4

58 VOC storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored. [LAC 33:III.2103.1.6]

59 No additional control is determined as MACT. [LAC 33:III.5109.A]

EQT378 1(427)1 - Duo-Sol Furnace N-2A

60 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.151.3]

EQT379 1(427)2 - Duo-Sol Furnace N-2B

61 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.151.3]

EQT380 1(427)3 - Duo-Sol Furnace N-2C

62 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.151.3]

EQT381 1(427)4 - Duo-Sol Furnace S-1

63 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.151.3]

EQT382 1(427)5 - Duo-Sol Furnace S-2

64 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 1.5. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.151.3]

EQT383 1(427)6 - Duo-Sol Furnace P-2

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-Va

Air - Title V Regular Permit Initial

EQT383 1(427)6 - Duo-Sol Furnace P-2

65 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III, Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.15(3)]

EQT384 1(427)9 - Duo-Sol Selecto Tanks Grouping

66 VOC storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored. [LAC 33:III.2103.1.6]
67 Tanks are uncontrolled. [40 CFR 61.342(e)(2), 40 CFR 61.355(k)]
68 Comply with the requirements of 40 CFR 63.560 through 63.567, except as specified in 40 CFR 63.651(b) through (d). Subpart CC. [40 CFR 63.651(a)]
69 Comply with the recordkeeping and reporting provisions in 40 CFR 63.566 and 63.567(a) and 63.567(c) through (i) of 40 CFR 63 Subpart Y. Subpart CC. [40 CFR 63.654(c)]

EQT385 1(LUBE)1 - Lube Plant Flare

70 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
Which Months: All Year Statistical Basis: None specified
71 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:III.13923. Notification is required only if the user cannot be controlled in six hours. [LAC 33:III.1105]
72 Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized. [LAC 33:III.1107]
73 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III, Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.15(3)]
74 Nonhalogenated hydrocarbon burning: Temperature \geq 1600 F (870 degrees C) for 0.5 seconds or greater in a direct-flame afterburner or thermal incinerator. Other devices will be accepted provided 98 percent or greater VOC destruction or removal efficiency can be demonstrated, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 20 ppm by volume, whichever is less stringent. [LAC 33:III.2115.B]
Which Months: All Year Statistical Basis: None specified
75 Determine compliance with LAC 33:III.2115.A through G by applying the test methods specified in LAC 33:III.2115.I.1 through 5, as appropriate. [LAC 33:III.2115.I.]
76 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]
77 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2 through e. [LAC 33:III.2115.J.2]
78 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115.J. [LAC 33:III.2115.K.3]
79 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER1996009

Permit Number: 3009-y0

Air - Title V Regular Permit Initial

EQT385 1(LUBE)1 - Lube Plant Flare

80 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average

81 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H₂S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

82 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

83 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

84 Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]

85 Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]

86 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]

Which Months: All Year Statistical Basis: None specified

87 Exit Velocity < 60 ft/sec (18.3 m/sec) as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(i)]

Which Months: All Year Statistical Basis: None specified

88 Exit Velocity >= 60 and < 400 ft/sec (18.3 m/sec and 122 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4). Subpart A. [40 CFR 60.18(c)(4)(ii)]

Which Months: All Year Statistical Basis: None specified

89 Exit Velocity < 400 ft/sec (122 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4), and less than the velocity V_{max}, as determined by the method specified in 40 CFR 60.18(f)(5). Subpart A. [40 CFR 60.18(c)(4)(iii)]

Which Months: All Year Statistical Basis: None specified

90 Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]

91 Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]

92 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]

Which Months: All Year Statistical Basis: None specified

93 Meet the requirements of 40 CFR 63.11(b). Subpart CC. [40 CFR 63.643(a)(1)]

94 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, on a dry basis, corrected to 3% oxygen, whichever is less stringent. Subpart CC. [40 CFR 63.643(a)(2)]

Which Months: All Year Statistical Basis: None specified

95 Presence of a flame monitored by the regulation's specified method(s) continuously. Use a device (including, but not limited to, a thermocouple, an ultraviolet beam sensor, or an infrared sensor) capable of continuously detecting the presence of a pilot flame. Subpart CC. [40 CFR 63.644(a)(2)]

Which Months: All Year Statistical Basis: None specified

96 Vent system (bypass lines): Flow monitored by flow indicator hourly. Install the flow indicator at the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere. Subpart CC. [40 CFR 63.644(c)(1)]

Which Months: All Year Statistical Basis: None specified

97 Vent system (bypass lines): Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. Subpart CC. [40 CFR 63.644(c)(2)]

SPECIFIC REQUIREMENTS

All ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-Y0

Air - Title V Regular Permit Initial

EQT385 1(LUBE)1 - Lube Plant Flare

98 Vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart CC. [40 CFR 63.644(c)(2)]

Which Months: All Year Statistical Basis: None specified

99 Demonstrate compliance with 40 CFR 63.643 by following 40 CFR 63.116 except for 63.116(a)(1), (d) and (e), except as provided in 40 CFR 63.645(b) through (d) and (f). Subpart CC. [40 CFR 63.645(a)]

100 Equipment/operational data recordkeeping by recorder hourly. Keep the records specified in 40 CFR 63.654(i)(3)(i) through (i)(3)(v). Subpart CC. [40 CFR 63.654(i)(3)]

EQT386 1(LUBE)2 - Waste Water Treating

101 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.35763 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

EQT387 UTL-CT1R - Cooling Tower - CT1R

102 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain copies of the initial notification and the notification of compliance status as required by 40 CFR 63.405 for a period of at least 5 years onsite. Subpart Q. [40 CFR 63.406]

FUG019 LUBE-FUG - Lube Plant Fugitives

103 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.21.11]

104 Comply with LAC 33:III.21.22 by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with the Louisiana Refinery MACT as modified in the signed Source Notice and Agreement. [LAC 33:III.21.22]

105 Comply with streamlined LDAR Program dated 4/1/7/96 and approved 5/27/99, addended on 5/24/05 and approved 7/28/05. [LAC 33:III.501.C.6]

106 Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

107 VOC, Total monitored by technically sound method at the regulation's specified frequency. Monitor equipment that has been physically removed from service, disassembled or dismantled in the next scheduled monitoring period or within 1 year of placing back in service, whichever occurs first, to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

Which Months: All Year Statistical Basis: None specified

108 VOC, Total recordkeeping by manual logging at the regulation's specified frequency. Maintain a record of the monitoring in the log required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

109 Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks by the methods specified in Subsection P.2, except as provided in Subsections C.4, D.4, D.5 and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3. [LAC 33:III.51.09.A]

Which Months: All Year Statistical Basis: None specified

110 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, monitor within 5 days. [LAC 33:III.51.09.A] Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

FUG019 LUBE-FUG - Lube Plant Fugitives

- 111 Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.51.09.A]
- 112 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.51.09.A]
- 113 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.51.09.A]
- 114 Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.51.09.A]
- 115 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.51.09.A] Which Months: All Year Statistical Basis: None specified
- 116 Pumps in light liquid service (dual mechanical seal system): Equipment/operational data monitored by visual inspection/determination daily. Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.51.09.A] Which Months: All Year Statistical Basis: None specified
- 117 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection D.1. [LAC 33:III.51.09.A]
- 118 Pumps in light liquid service: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal or seals to a control device that complies with the requirements of Section N, as specified in Paragraph D.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections D.1 through D.4. [LAC 33:III.51.09.A]
- 119 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirements in Paragraphs D.1.b and D.4.d, and the daily requirements in Paragraph D.4.e.i. [LAC 33:III.51.09.A] Which Months: All Year Statistical Basis: None specified
- 120 Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. [LAC 33:III.51.09.A]
- 121 Compressors: Equip with a seal system that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

SPECIFIC REQUIREMENTS

All ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air • Title V Regular Permit Initial

FUG019 LUBE-FUG - Lube Plant Fugitives

1.22 Compressors (seal system): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E. 3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

1.23 Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E. 4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

1.24 Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

1.25 Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E. 6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E. 6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. [LAC 33:III.51.09.A]

Which Months: All Year Statistical Basis: None specified

1.26 Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E. 6.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

1.27 Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.51.09.A]

1.28 Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections E.1 through E.7. [LAC 33:III.51.09.A]

1.29 Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9. [LAC 33:III.51.09.A]

1.30 Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsections E.2 through E.9. [LAC 33:III.51.09.A]

Which Months: All Year Statistical Basis: None specified

1.31 Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Subsection F.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

1.32 Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section F.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

1.33 Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.3. [LAC 33:III.51.09.A]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

FUG09 LUBE-FUG - Lube Plant Fugitives

- 134 Pressure relief device in gas/vapor service: Equip with a closed-vent system capable of capturing and transporting leakage from the pressure relief device to a control device as described in Section N, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections F.1 and F.2. [LAC 33:III.5109.A]
- 135 Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Ensure that this system collects or captures the sample purge for return to the process. [LAC 33:III.5109.A]
- 136 Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 137 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 138 Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 139 Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 140 Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 1 000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 141 Valves in gas/vapor service and in light liquid service (percent leaking valves ≥ 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Monthly monitoring must be initiated within 60 days of the previous monitoring and must continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 142 Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulations specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 143 Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive semiannual leak detection periods): VOC, Total monitored by the regulations specified method(s) annually, as specified in Paragraph J.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

FUG09 LUBE-FUG - Lube Plant Fugitives

- 144 Valves in gas/vapor service and in light liquid service (using skip period leak detection and repair): Notify DEQ at least 30 days before implementing one of the alternate monitoring scenarios in Section J, as specified in Paragraph J.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51(09.A)]
- 145 Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.51(09.A)]
- 146 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.51(09.A)]
- 147 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.51(09.A)]
- Which Months: All Year Statistical Basis: None specified
- 148 Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.51(09.A)]
- 149 Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Comply with this requirement instead of the requirements in Subsection I.1. [LAC 33:III.51(09.A)]
- Which Months: All Year Statistical Basis: None specified
- 150 Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Subsection K.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3. [LAC 33:III.51(09.A)]
- Which Months: All Year Statistical Basis: None specified
- 151 Instrument systems and pressure relief devices in liquid service; pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.51(09.A)]
- 152 Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51(09.A)]
- 153 Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible with a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51(09.A)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

FUG019 LUBE-FUG - Lube Plant Fugitives

154 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If an instrument reading \geq 1 000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

155 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (percent of leaking connectors \leq 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If an instrument reading \geq 1 000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

156 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (welded completely around the circumference of the interface or physically specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994)). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading \geq 1 000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

157 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (opened or otherwise had the seal broken): VOC, Total monitored by the removed and the pipe welded together: Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

158 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (at the regulation's specified frequency): Monitor for leaks after being returned to VOTAP service during the next scheduled monitoring period, as specified in Paragraph O.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified

159 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

160 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.1. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-Y0

Air - Title V Regular Permit Initial

FUG019 LUBE-FUG - Lube Plant Fugitives

161 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P. Comply with this requirement instead of the requirements in Subsection O.1. [LAC 33:III.51.09.A]

Which Months: All Year Statistical Basis: None specified

162 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6 and the recordkeeping and reporting requirements. [LAC 33:III.51.09.A]

163 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

164 Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

165 Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

166 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

167 Submit statement: Due in writing by 90 days after approval of the Compliance Plan/Certificate of Compliance. Submit the information specified in Subsections R.1 and R.3, as specified in Subsections R.1 and R.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

168 Submit report: Due quarterly starting three months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

169 Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.51.09.A]

170 Comply with the requirements of 40 CFR 60.692-2 and 60.692-3, Subpart QQQ. [40 CFR 60.692-4]

171 Before using any equipment installed in compliance with 40 CFR 60.692-2, 60.692-3, 60.692-4, 60.692-5, or 60.693, inspect such equipment for indication of potential emissions, defects, or other problems that may cause requirements of 40 CFR 60 Subpart QQQ not to be met. Subpart QQQ [40 CFR 60.696(a)]

172 Retain all records required by 40 CFR 60 Subpart QQQ for a period of 2 years after being recorded unless otherwise noted. Subpart QQQ. [40 CFR 60.697(a)]

173 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep the records specified in 40 CFR 60.697(e)(1) through (e)(4), as applicable. Subpart QQQ. [40 CFR 60.697(e)]

174 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 60.697(f)(1) through (f)(3) for the life of the source in a readily accessible location. Subpart QQQ. [40 CFR 60.697(f)]

175 Submit Notification: Due within 60 days after initial startup. Submit a certification that the equipment necessary to comply with 40 CFR 60 Subpart QQQ has been installed and that the required initial inspections or tests of process drains, sewer lines, junction boxes, oil-water separators, and closed vent systems and control devices have been carried out in accordance with 40 CFR 60 Subpart QQQ. Thereafter, submit a certification semiannually that all of the required inspections have been carried out in accordance with 40 CFR 60 Subpart QQQ. Subpart QQQ. [40 CFR 60.698(b)(1)]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

FUG019 LUBE-FUG - Lube Plant Fugitives

- 176 Submit report Due initially and semiannually thereafter. Submit a report that summarizes all inspections when a water seal was dry or otherwise breached, when a drain cap or plug was missing or improperly installed, or when cracks, gaps, or other problems were identified that could result in VOC emissions, including information about the repairs or corrective action taken. Subpart QQQ. [40 CFR 60.698(c)]
- 177 Comply with 40 CFR 60 Subpart GGG by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with the Louisiana Refinery MACT as modified in the signed Source Notice and Agreement. [40 CFR 60, Subpart GGG]
- 178 Comply with 40 CFR 63 Subpart CC by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with the Louisiana Refinery MACT as modified in the signed Source Notice and Agreement. [40 CFR 63,Subpart CC]

GRP142 1(CLAW)CAP1 - Combustion Cap

- 179 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.101.B]
Which Months: All Year Statistical Basis: None specified
- 180 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.305.1-7. [LAC 33:III.1.305]
- 181 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 182 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1.313.C]
Which Months: All Year Statistical Basis: None specified
- 183 Total annual emissions from 1(CLAW)CAP1 - Combustion Cap shall not exceed the following rates:
PM10, 41.27 tons/yr
SO2, 638.94 tons/yr
NOx, 1,066.21 tons/yr
CO, 456.17 tons/yr
VOC, 29.87 tons/yr
- Permittee shall calculate emissions on a 12 - month rolling average to ensure compliance with CAP limits. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. A report showing the emissions for the last twelve months shall be submitted to the Office of Compliance, Enforcement Division by March 31 st for the preceding calendar year. [LAC 33:III.501.C.6]
- 184 Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J [EQT 358, ((2458))]- Vacuum Furnace, BA-1 and EQT 359 J (2458)2 - Vacuum Furnace, BA-101 become subject to NSPS Subpart J as a condition of the Consent Decree signed between CITGO and the EPA on February 28, 2010. All other components in this CAP are currently subject to NSPS Subpart J. [40 CFR 60.104(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 185 Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device.
Subpart J [40 CFR 60.105(a)(4)]
Which Months: All Year Statistical Basis: None specified
- 186 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 187 Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J. [40 CFR 60.106]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex
Activity Number: PER19960009
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Air - Title V Regular Permit Initial

GRP142 1(CLAW)CAP1 - Combustion Cap

- 188 Submit all of the notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b) through (h) by the dates specified, as specified in 40 CFR 63.7545(b) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7545(a)]

GRP143 Alternate Scenario - Combustion Cap

- 189 Total annual emissions from 1(CLAW)CAP1 - Combustion Cap shall not exceed the following rates:

PM10, 51.47 tons/yr
SO2, 6508.55 tons/yr
NOx, 2280 tons/yr
CO, 237.13 tons/yr
VOC, 13.84 tons/yr

Permittee shall calculate emissions on a 12 - month rolling average to ensure compliance with CAP limits. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. A report showing the emissions for the last twelve months shall be submitted to the Office of Compliance, Enforcement Division by March 31st for the preceding calendar year. [LAC 33:III.501.C.6]

GRP144 CLAW Area

- 190 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 191 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.D.6]
- 192 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 193 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:II.2113.A.1-5. [LAC 33:III.2113.A]
- 194 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.2119]
- 195 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 196 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 197 Carbon monoxide <= 484.55 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 198 Nitrogen oxides <= 2288.20 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 199 Particulate matter (10 microns or less) <= 554.75 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 200 Sulfur dioxide <= 6526.90 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

Air - Title V Regular Permit Initial

GRP144 CLAW Area

- 201 VOC, Total <= 1161.98 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
202 Vinyl acetate <= 3.982 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
203 Cresol <= 14.356 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
204 Ammonia <= 2.26 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
205 Chlorine <= 0.008 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
206 Methyl ethyl ketone <= 332.283 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
207 Naphthalene <= 3.659 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
208 Phenol <= 27.075 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
209 Toluene <= 76.701 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
210 Xylene (mixed isomers) <= 0.040 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
209 Toluene <= 76.701 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
211 Ethyl benzene <= 0.010 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
212 n-Hexane <= 0.141 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
213 Methyl Tertiary Butyl Ether <= 0.028 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
214 Benzene <= 0.082 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
215 Comply with the requirements of the Nonattainment New Source Review Program. This permit includes provisions of the Nonattainment New Source Review Procedures (NNSR) from LAC 33:III.504. [LAC 33:III.504]
216 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
217 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
218 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
219 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
220 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]

GRP144 CLAW Area

- 221 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 222 Submit notification Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 223 Submit notification Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3931. [LAC 33:III.5107.B.2]
- 224 Submit notification Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3931. [LAC 33:III.5107.B.3]
- 225 Submit written report Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 226 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 227 Fugitive Emission Monitoring Shield: Compliance with the requirements of the monitoring program identified in the Site Source Agreement for Consolidation of the LCMC Fugitive Emission Monitoring Program (as reflected in the Part 70 specific permit conditions) constitutes full compliance for all applicable fugitive emissions programs being consolidated. The applicable regulations are as listed in the Stringency Table in the Louisiana Fugitive Emissions Program Consolidation Guidelines. [LAC 33:III.5109.A]
- 228 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 229 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112. Table 51.2. [LAC 33:III.5109.B]
- 230 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available onsite or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 231 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:III.5111.A.1] before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 232 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

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- 233 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 234 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.51113.B.1]
- 235 Submit test results: Due to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. [LAC 33:III.51113.B.1]
- 236 Conduct emission tests as set forth in accordance with Test Methods 40 CFR Parts 60, 61, and 63 or in accordance with alternative test methods approved by the administrative authority. [LAC 33:III.51113.B.2]
- 237 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.51113.B.3]
- 238 Provide emission testing facilities as specified in LAC 33:III.51113.B.4 through e. [LAC 33:III.51113.B.4]
- 239 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.51113.B.5]
- 240 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.51113.B.5]
- 241 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.51113.B.6]
- 242 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.51113.B.7]
- 243 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.51113.C.1]
- 244 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.51113.C.2]
- 245 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.51113.C.2]
- 246 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.51113.C.2]
- 247 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.51113.C.3]
- 248 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.51113.C.5.a]
- 249 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.51113.C.5.a]
- 250 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.51113.C.5.d]
- 251 Collect and reduce all data as specified in LAC 33:III.51113.C.5.e and ii, if required to install a CMS. [LAC 33:III.51113.C.5.e]
- 252 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.51113.C.5]

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AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER1996009

Permit Number: 3009.V0

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- 253 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 254 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.511.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]
- 255 Submit initial emissions inventory report. Due to the Department of Environmental Quality on or before October 1, 1994. Submit on a form or in an electronic format specified by the department and include the information specified in LAC 33:III.5307.A.1 through 7. [LAC 33:III.5307.A]
- 256 Submit Emission Inventory (EI)/Annual Emissions Statement. Due annually, by the 1st of July to the Department of Environmental Quality, Office of Environmental Services, Air Permits Division. Include the information in LAC 33:III.5307.A for the preceding calendar year. [LAC 33:III.5307.B]
- 257 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 258 Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 259 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 260 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 261 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 262 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 263 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 264 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 265 Submit registration. Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III. Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33:III.5911.A]
- 266 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 267 905 Shield: Where a specific regulatory work practice or operational standard applies to an affected facility, compliance with the applicable regulatory work practice or operational standard demonstrates compliance with LAC 33:III.905. [LAC 33:III.905]
- 268 Submit Emission Inventory (EI)/Annual Emissions Statement. Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A.D. [LAC 33:III.919.D]
- 269 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 270 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 271 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]

SPECIFIC REQUIREMENTS

AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

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- 272 As part of the waiver application submitted under 40 CFR 61.342(b)(1), the owner or operator shall submit to the DEQ a plan under 40 CFR 61.10(b)(3) that is an enforceable commitment to obtain environmental benefits to mitigate the benzene emissions that result from extending the compliance date. The plan shall include the information specified in 40 CFR 61.342(b)(2)-(iii). [40 CFR 61.342(b)(2)]
- 273 Comply with the requirements of 40 CFR 61.342(c) through (h) no later than 90 days following the effective date, unless a waiver of compliance has been obtained under 40 CFR 61.11, or by the initial startup for a new source with an initial startup after the effective date. Subpart FF. [40 CFR 61.342(b)]
- 274 Benzene < 1 Mg/yr (1.1 ton/yr) total quantity. Subpart FF. [40 CFR 61.342(d)(2)(i)]
- 275 Benzene <= 6 Mg/yr (6.6 ton/yr), as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)(2)(i)]
- 276 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 277 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 278 Submit report. Due within 90 days after January 7, 1993. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
- 279 Submit report. Due by initial startup. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
- 280 Submit report. Due annually and whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 10 Mg/yr (1.1 ton/yr) or more. Submit updates to the information specified in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(c)]
- 281 Notify DEQ of the alternative standard selected in the report required under 40 CFR 61.07 or 61.10. Subpart FF. [40 CFR 61.357(e)]
- 282 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 283 Annual Reporting Shield: Semi-annual reporting periods required by 40 CFR Part 63 Subpart G (HON) and 40 CFR Subpart CC (MRACT) will be on a calendar basis (January 1 through June 30 and July 1 through December 31) for consistency with Title V reporting schedule as allowed by 40 CFR 63.10(a)(5) and 40 CFR 60.19(C)-(e). [40 CFR 63.10(a)(5), 40 CFR 60.19((c)-(e))]
- 284 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table xx of 40 CFR 63 Subpart xx. [40 CFR 63]
- 285 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 286 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 287 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31 , March 31 . Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 288 Submit Title V compliance certification: Due annually, by the 31 st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

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AI ID: 1250 - Citgo Petroleum Corp - Lake Charles Manufacturing Complex

Activity Number: PER19960009

Permit Number: 3009-V0

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289 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82, Subpart F]

RLP020 1(2512-3)4 - Wax Slabbing Bulk Handling Vent 1 (GB-10)

290 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.305.1-7. [LAC 33:III.1.305]
291 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]

Which Months: All Year Statistical Basis: Six-minute average

RLP021 1(2512-3)5 - Wax Slabbing Bulk Handling Vent 2 (GB-11)

292 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.305.1-7. [LAC 33:III.1.305]
293 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]

Which Months: All Year Statistical Basis: Six-minute average